

Section 26

Mining and Mineral Products

This section presents statistics relating to the mineral industries and mineral products. The data are arranged in four broad groupings: General summary statistics, fuels, nonmetals other than fuels, and metals. Summary measures of production and employment are presented for mining and its products. More detailed data on value and quantity of production, prices, imports and exports, consumption, and distribution are shown for specific mineral industries and products.

The principal source of these data is the *Minerals Yearbook*, published by the Bureau of Mines, Department of the Interior. It consists of volume I-II, *Metals, Minerals, and Fuels*; volume III, *Area Reports—Domestic*; and volume IV, *Area Reports—International*. Other government sources are the Census of Mineral Industries, conducted every 5 years by the Bureau of the Census; *Statistics of Oil Pipe Line Companies*, issued annually by the Interstate Commerce Commission as Part 6 of *Transport Statistics*; and the Bureau of the Mint's *Annual Report of the Director*, which presents data on gold and silver. Non-government sources include the *Engineering and Mining Journal*, issued monthly by the McGraw-Hill Publishing Co., New York, and *The Iron Age*, issued weekly by the Chilton Co., Philadelphia.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the United States Geological Survey or by the Bureau of Mines since 1880. Current data available from Bureau of Mines publications include quantity and value of minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The Bureau of Mines also collects and publishes data on man-hours, active days, length of shift, and accidents.

Decennial censuses of mineral industries were conducted by the Bureau of the Census from 1840 to 1940. Censuses were taken again for the years 1954, 1958, 1963, and 1967. The 1967 census is the most recent for which complete data are available. The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, and labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many of the manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

Data on mining and mineral products may also be found in other sections of this *Abstract*. For example, data on iron and steel, and on aluminum, magnesium, copper, clay, and other manufactured mineral products appear in section 28, *Manufactures*; summary data for outlying areas of the United States appear in section 31; and selected data on an international basis are presented in section 32.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1040. Except for crude petroleum, the export and import figures include foreign trade passing through the customs districts of Alaska, Hawaii, and Puerto Rico, but exclude shipments between conterminous United States and outlying areas.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 1037. VALUE OF MINERAL PRODUCTION: 1931 TO 1970

[In millions of dollars. Prior to 1953, excludes Alaska and Hawaii. Includes some products, as cement, lime, through 1946, heavy clay products; also, nonferrous metals are valued um included with metals; thereafter, with fuels. See also Historical Statistics, 13-14, M 20, and M 30]

YEARLY AVERAGE	YEAR				YEAR	YEAR			
	Total	Metals	Non-metals	Fuels ¹		Total	Metals	Non-metals	Fuels ¹
1931-1935.....	2,463	252	520	1,691	1960.....	18,032	2,022	3,868	12,142
1936-1940.....	3,879	623	711	2,545	1964.....	20,612	2,366	4,623	13,623
1941-1945.....	5,840	910	937	3,993	1965.....	21,524	2,544	4,933	14,047
1946-1950.....	10,277	1,097	1,503	7,678	1966.....	22,968	2,703	5,176	15,088
1951-1955.....	14,285	1,734	2,480	10,070	1967.....	23,729	2,333	5,200	16,195
1956-1960.....	17,557	1,936	3,595	12,026	1968.....	24,971	2,703	5,448	16,820
1961-1965.....	19,768	2,155	4,387	13,226	1969.....	26,928	3,196	5,625	18,107
1966-1970.....	25,620	2,946	5,403	17,270	1970 (prel.).....	29,503	3,795	5,567	20,141

¹ Through 1948, comprises coal, natural gas, natural gas liquids, and petroleum; beginning 1949, also includes asphalt and related bitumens, carbon dioxide, helium, and peat.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1038. BUREAU OF MINES INDEX AND CONSTANT DOLLAR VALUE OF MINERAL PRODUCTION: 1955 TO 1969

[Value in millions of dollars. Includes Puerto Rico and outlying areas of United States. See *Historical Statistics, Colonial Times to 1957*, series M 51-62, for indexes of physical volume on 1947-49 base]

YEAR	PHYSICAL VOLUME OF PRODUCTION (1967=100)				VALUE OF MINERAL PRODUCTION IN CONSTANT (1967) DOLLARS ¹			
	All minerals	Metals	Non-metals	Fuels	All minerals	Metals	Non-metals	Fuels
1955.....	75.4	109.8	65.6	74.8	17,742	2,396	3,281	12,065
1956.....	79.4	110.5	69.7	79.2	18,761	2,477	3,508	12,776
1957.....	79.1	113.1	68.6	78.9	18,713	2,538	3,453	12,722
1958.....	78.5	87.4	70.1	73.2	17,809	1,963	3,533	11,813
1959.....	77.1	82.2	77.0	76.6	18,092	1,849	3,872	12,371
1960.....	79.1	104.4	76.1	77.5	18,678	2,336	3,826	12,516
1961.....	80.1	100.3	77.8	78.6	19,001	2,246	4,055	12,700
1962.....	82.4	99.4	81.5	80.7	19,524	2,225	4,253	13,045
1963.....	86.2	100.9	86.0	84.4	20,382	2,257	4,489	13,636
1964.....	89.8	109.0	91.5	86.7	21,261	2,436	4,781	14,044
1965.....	93.5	114.5	97.6	89.2	22,207	2,644	5,096	14,467
1966.....	98.7	121.2	101.9	94.5	23,439	2,801	5,320	15,318
1967.....	100.0	100.0	100.0	100.0	23,734	2,333	5,206	16,195
1968.....	104.1	110.8	103.4	103.4	24,700	2,574	5,373	16,753
1969.....	107.6	127.9	106.1	105.7	25,535	2,970	5,604	17,061

¹ Values deflated by the index of implicit unit value.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1039. FEDERAL RESERVE BOARD PRODUCTION INDEXES—MINING AND METALS: 1950 TO 1970

[1957-59=100. See *Historical Statistics, Colonial Times to 1957*, series M 63-66, for indexes on 1947-49 base]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Mining	83	99	102	115	124	127	130	137
Coal, oil, and gas.....	85	100	100	113	123	125	127	134
Coal.....	126	110	94	113	120	118	118	126
Crude oil.....	77	98	101	112	126	131	132	138
Gas and gas liquids.....	61	88	113	143	164	175	184	196
Metal, stone, and earth minerals.....	75	96	111	126	129	133	144	148
Metal mining.....	91	104	112	124	120	126	142	154
Stone and earth minerals.....	65	91	110	127	135	138	145	144
Metals:								
Primary metals.....	100	118	101	138	133	137	149	140
Iron and steel.....	103	121	101	134	127	131	140	131
Nonferrous metals and products.....	86	108	103	152	153	160	181	173

Source: Board of Governors of the Federal Reserve System; *Industrial Production, 1957-59 Base*, and *Federal Reserve Bulletin*.

No. 1040. MINERAL PRODUCTION, 1960 TO 1969, AND PRINCIPAL PRODUCING STATES, 1969

[Value in thousands of dollars. Data represent production as measured by mine shipments, mine sales, or marketable production (including consumption by producers). See *Historical Statistics, Colonial Times to 1957*, series M 13-37, for selected values]

MINERAL	1960		1965		1968		1969		Principal producing States in order of quantity
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Total mineral production	(X)	18,032,000	(X)	21,524,000	(X)	24,971,000	(X)	26,923,000	(X)
Mineral fuels	(X)	12,142,000	(X)	14,047,000	(X)	16,829,000	(X)	17,965,000	(X)
Asphalt and related bitumens (native): Bituminous limestone and sandstone and glauconite-short tons	1,625,911	13,060	1,911,664	9,461	1,797,219	8,179	1,918,748	8,561	Tex., Utah, Ala., Mo.
Carbon dioxide, natural (estimate).....1,000 cubic feet	521,169	99	1,173,676	152	1,118,027	176	1,194,836	144	N. Mex., Colo., Utah, Calif.
Coal:									
Bituminous and lignite ¹.....1,000 short tons	415,512	1,950,425	512,088	2,276,022	545,245	2,546,340	560,505	2,795,509	W. Va., Ky., Pa., Ill.
Pennsylvania anthracite.....1,000 short tons	18,817	147,116	14,866	122,021	11,461	97,245	10,473	100,769	
Helium ².....1,000 cubic feet	475,179	7,768	4,885,834	68,728	4,854,800	73,055	4,752,400	68,442	Kans., Tex., Okla., Ariz.
Natural gas.....million cubic feet	12,771,038	1,789,970	16,089,753	2,494,542	19,322,400	3,168,688	20,698,240	3,465,615	Tex., La., Okla., N. Mex.
Natural-gas liquids:									
Natural gasoline and cycle products									
1,000 (42-gal.) bbl.	139,108	416,819	173,525	494,354	199,049	571,679	201,784	603,084	Tex., La., Okla., N. Mex.
LP-gases.....1,000 (42-gal.) bbl.	201,049	391,966	293,030	417,249	351,262	552,335	378,457	498,927	Mich., Ill., Fla., N.J.
Petroleum (crude).....1,000 (42-gal.) bbl.	2,574,933	7,420,181	2,848,514	8,108,289	3,329,162	9,794,826	3,371,751	10,426,680	Tex., La., Calif., Okla.
Nonmetallic minerals (except fuels)	(X)	3,868,000	(X)	4,983,000	(X)	5,448,000	(X)	5,625,000	(X)
Abrasive stone ³.....short tons	2,539	240	3,693	432	3,141	329,629	3,311	3,648	(NA)
Asbestos.....short tons	46,223	4,231	118,275	10,162	120,690	10,406	125,936	10,648	Calif., Vt., Ariz., N.C.
Baryte.....short tons	640,714	8,574	807,000	10,192	927	13,706	1,077	15,753	Nev., Mo., Ark., Ga.
Boron minerals.....short tons	176,010	47,550	328,115	64,180	963	76,585	1,020	81,261	Calif.
Bromine.....1,000 pounds	(D)	44,037	(D)	77,259	(D)	86,787	(D)	87,990	Mich., Ark., Tex., Calif.
Calcium-magnesium chloride.....short tons	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	Mich., Calif.
Cement.....1,000 (276-lb.) bbl.	321,646	1,080,134	366,892	1,154,448	388,626	1,227,642	400,883	1,284,600	Calif., Pa., Tex., Mich.
Masonry.....1,000 (276-lb.) bbl.	(D)	(D)	23,260	65,070	23,167	66,250	23,283	69,106	
Natural and slag.....1,000 (276-lb.) bbl.	(D)	(D)	270	627	96	246,938	(D)	264,415	Ga., Ohio, Tex., N.C.
Clays.....1,000 short tons	49,069	162,411	55,126	204,932	57,348	246,938	59,994	36,484	Calif., Nev., Wash., Ariz.
Diatomite.....short tons	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	N.Y., Calif., Conn., S.C.
Emery.....short tons	142	204	(D)	(D)	(D)	(D)	(D)	(D)	Ill., Colo., Nev., Mont.
Feldspar.....long tons	4,770	4,770	624,598	6,263	667,679	8,265	8,969	8,969	N.Y., Idaho, (NA)
Fluorspar.....long tons	226,789	10,391	240,989	10,889	252,411	11,696	182,667	8,411	Mich., Tex., Calif., Iowa.
Garnet (abrasive).....short tons	10,622	1,986	19,330	1,717	22,156	1,927	1,874	2,390	
Gem stones (estimate).....short tons	(NA)	1,188	(NA)	2,490	(D)	2,492	(NA)	(D)	
Gypsum.....1,000 short tons	9,825	35,690	10,933	37,375	10,018	36,775	9,905	35,354	Mich., Tex., Calif., Iowa.
Lime.....1,000 short tons	12,935	172,731	16,794	232,939	18,657	249,639	20,209	280,735	Ohio, Pa., Mo., Tex.

See footnotes at end of table.

No. 1040. MINERAL PRODUCTION, 1960 TO 1969, AND PRINCIPAL PRODUCING STATES, 1969—Continued
 [Value in thousands of dollars]

MINERAL	1960		1965		1968		1969		Principal producing States in order of quantity
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Nonmetallic minerals (except fuels)—Continued									
Magnesium compounds from sea water and brines (except for metals)—short tons (MgO equivalent).....	293,454	21,903	637,857	47,197	525,210	43,449	625,618	53,308	Mich., Tex., Calif., N.J.
M.....	97,912	2,998	120,255	3,468	125,323	3,014	133,053	2,893	N.C., Ala., Ga., Ariz.
Scrap.....	687,401	3,108	710,066	183	15,000	(^c)	(D)	3	
Sheet.....									
Perlite.....	312,153	2,665	392,384	3,352	427,574	4,221	471,454	5,100	N. Mex., Ariz., Calif., Nev.
Phosphate rock.....	19,618	117,671	26,482	193,323	41,251	250,689	37,725	208,689	Fla., Idaho, Tenn., N.C.
Potassium salts.....	2,538	89,576	3,140	129,787	2,722	75,664	2,804	73,572	N. Mex., Utah, Calif., Mich.
Pumice.....	2,210	6,369	3,371	6,550	3,530	5,570	3,609	5,050	Ariz., Oreg., Calif., Hawaii.
Pyrites.....	1,016	7,936	875	5,333	873	(^c)	(D)	(^c)	Tenn., Pa., Colo., Nev.
Salt (common).....	23,735	161,140	34,687	215,699	41,274	272,275	44,245	287,680	La., Tex., Ohio, N.Y.
Sand and gravel.....	708,792	720,432	908,049	957,416	917,468	1,020,107	936,906	1,070,302	Calif., Mich., Ohio, Minn.
Sodium carbonate (natural).....	808,624	20,865	1,494,105	34,717	2,043,405	42,104	2,513,435	50,922	Wyo., Calif.
Sodium sulfate (natural).....	449,631	8,706	619,752	11,024	699,706	12,729	672,118	12,427	Calif., Wyo.
Stone.....	616,784	952,555	780,242	1,203,831	819,587	1,317,911	862,895	1,424,694	Pa., Ill., Ohio, Tex.
Sulfur.....	5,093	115,494	7,251	164,654	6,645	288,146	6,551	176,689	La., Tex. (x)
Other mines.....	381	1,752		11	3	46	-	-	
Talc, soapstone, and pyrophyllite.....	734,473	5,378	862,875	6,343	958,262	6,656	1,029,238	7,508	N.Y., Tex., Vt., Calif.
Tripoli.....	57,713	3,247	71,138	381	85,534	796	84,673	784	Ill., Okla., Ark., Pa.
Vermiculite.....	3,108	3,108	4,460	4,460	290	5,684	310	6,806	Mont., S.C., Tex., Ariz.
Nonmetallic minerals, undistributed.....	44,715	44,715	(x)	65,028	(x)	79,309	(x)	46,940	(x)

Metals	(X)	2,022,000	(X)	2,544,000	(X)	2,703,000	(X)	3,338,000	(X)
Antimony ore and concentrate short tons (antimony content)	635	(7)	845	(7)	856	(7)	938	(7)	Idaho, Alaska, Nev.
Bauxite.....1,000 long tons (dried equivalent)	1,998	21,107	1,654	18,692	1,665	23,752	1,843	26,726	Ark., Ala., Ga.
Beryllium concentrate.....short tons (gross weight)	509	162	(D)	(7)	168	81	(D)	(7)	Colo., S. Dak., Maine, N. Mex.
Copper (recoverable content of ores, etc.)...short tons	1,080,169	693,468	1,351,734	987,028	1,204,621	1,008,195	1,544,579	1,468,400	Ariz., Utah, N. Mex., Nev.
Gold (recoverable content of ores, etc.)...troy ounces	1,666,722	58,336	1,705,190	59,682	1,478,292	58,038	1,733,176	71,944	S. Dak., Nev., Utah, Ariz.
Iron ore, usable (excluding byproduct iron sinter) 1,000 long tons (gross weight)	82,963	724,131	84,079	801,388	81,934	836,433	89,854	929,293	Mich., Calif., Mo.
Lead (recoverable content of ores, etc.)...short tons	246,659	57,722	301,147	93,959	359,156	94,903	509,013	151,685	Mo., Idaho, Utah, Colo.
Manganese ore (35 percent or more Mn) short tons (gross weight)	80,021	5,352	29,288	(7)	11,378	(7)	5,630	157	N. Mex., Mont.
Manganiferous ore (5 to 35 percent Mn) short tons (gross weight)	693,455	4,466	392,763	(7)	244,590	(7)	430,637	(7)	Minn., N. Mex.
Mercury.....76-pound flasks	33,223	7,002	19,582	11,176	28,874	15,464	29,360	14,828	Calif., Nev., Tex., Idaho.
Molybdenum (content of concentrate).....1,000 pounds	69,941	87,406	77,310	120,801	98,245	151,000	103,009	173,819	Colo., Utah, Ariz., N. Mex.
Nickel (content of ore and concentrate).....short tons	14,079	(7)	16,188	(7)	17,204	(7)	17,056	(7)	Oreg.
Silver (recoverable content of ores, etc.)...1,000 troy ounces	30,766	27,846	39,806	51,469	32,729	70,191	41,906	75,040	Idaho, Ariz., Utah, Mont.
Tin content of concentrate.....long tons	10	12	47	126	(D)	(7)	(D)	(7)	Colo., S. Dak., Alaska, N. Mex.
Titanium concentrate: Ilmenite.....short tons (gross weight)	789,237	14,655	948,832	18,058	960,118	19,484	893,034	18,686	N. Y., Fla., N. J., Ga.
Rutile.....short tons (gross weight)	9,226	957	(D)	(7)	(D)	(7)	(D)	(7)	
Tungsten ore and concentrate short tons (60 percent WO ₃ basis)	7,325	9,815	7,949	13,028	10,704	25,197	9,883	24,624	Calif., Colo., Mont., Nev.
Uranium (recoverable content U ₃ O ₈).....1,000 pounds	15,940	162,188	19,727	157,828	24,139	182,698	23,748	142,161	N. Mex., W. Yo., Colo., Tex.
Vanadium (recoverable in ore and concentrate) short tons	4,971	17,749	5,226	18,284	6,483	23,143	5,577	26,334	Colo., Idaho, Ark., Utah.
Zinc (recoverable content of ores, etc.)...short tons	436,427	112,365	611,153	178,284	529,446	145,950	583,124	161,512	Tenn., N. Y., Idaho, Colo.
Metals, undistributed ¹	(X)	26,891	(X)	44,804	(X)	51,030	(X)	54,148	(X)

- Represents zero. D Withheld to avoid disclosing individual company data.
 NA Not available. X Not applicable.
 1 Includes small quantity of anthracite mined in States other than Pennsylvania.
 2 1980, refined only; thereafter, crude and refined.
 3 Grindstones, pulpstones, millstones (weight not recorded), grinding pebbles, sharpening stones, and tube-mill liners.
 4 Value included in "Nonmetallic minerals, undistributed."
 5 Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.
 6 Comprises value of items that cannot be disclosed: Aplite, brucite (1965-69), calcite (optical grade, 1965), calcium-magnesium chloride, diatomite (1960-68), graphite, iodine, kyanite, lithium minerals, magnesite, greensand marl, olivine, staurolite, and wollastonite and values indicated by footnote 4.
 7 Included with "Metals undistributed."
 8 1960, uranium ore.
 9 Comprises value of items that cannot be disclosed: Cobalt, columbium-tantalum concentrate (1969), magnesium chloride for magnesium metal, manganiferous residuum, platinum-group metals (crude), rare-earth metal concentrates, titanium concentrate (rutile) (1965-1969), zirconium concentrate, and values indicated by footnote 7.
 Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1041. MINERAL PRODUCTION—VALUE, 1960 TO 1969, AND RANK AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1969, BY STATES

[In millions of dollars]

STATE	1960	1965	1968	1969		
				Value	Rank	Principal minerals in order of value
U.S.-----	18,032	21,524	24,971	26,928	(X)	Petroleum, natural gas, coal, copper.
N.E.-----	91	113	127	138	(X)	
Maine-----	14	18	18	20	47	Cement, sand and gravel, stone, zinc.
N. H.-----	5	8	9	8	48	Sand and gravel, stone, clays, feldspar.
Vt.-----	23	27	29	28	46	Stone, asbestos, sand and gravel, talc.
Mnss-----	28	36	43	50	43	Sand and gravel, stone, lime, clays.
R. I.-----	6	3	4	4	49	Sand and gravel, stone, gem stones.
Conn-----	15	21	24	28	45	Stone, sand and gravel, feldspar, lime.
M.A.-----	1,155	1,284	1,281	1,362	(X)	
N. Y.-----	261	290	300	302	20	Cement, stone, salt, sand and gravel.
N. J.-----	66	80	77	83	37	Stone, sand and gravel, zinc, magnesium compounds.
Pa.-----	838	914	904	976	5	Coal, cement, stone, sand and gravel.
E. N. C.-----	1,724	1,915	2,119	2,230	(X)	
Ohio-----	406	464	537	581	14	Coal, stone, sand and gravel, lime.
Ind.-----	211	219	235	242	26	Coal, cement, stone, sand and gravel.
Ill.-----	590	593	648	660	10	Coal, petroleum, stone, sand and gravel.
Mich-----	438	566	627	668	9	Iron ore, cement, copper, sand and gravel.
Wis.-----	79	73	72	80	38	Sand and gravel, stone, zinc, cement.
W. N. C.-----	1,494	1,629	1,756	1,925	(X)	
Minn-----	516	508	567	636	12	Iron ore, sand and gravel, stone, cement.
Iowa-----	99	113	117	120	31	Cement, stone, sand and gravel, gypsum.
Mo.-----	162	226	276	367	18	Lead, cement, stone, iron ore.
N. Dak-----	78	94	98	91	33	Petroleum, coal, sand and gravel, natural gas.
S. Dak-----	48	51	54	55	42	Gold, stone, sand and gravel, cement.
Nebr-----	104	84	75	78	39	Petroleum, cement, sand and gravel, stone.
Kans-----	487	553	569	578	15	Petroleum, natural gas, helium, natural gas liquids.
S. A.-----	1,339	1,693	1,900	1,984	(X)	
Del.-----	1	2	2	2	50	Sand and gravel, clays, gem stones.
Md.-----	58	78	72	83	36	Stone, cement, sand and gravel, coal.
Va.-----	209	268	296	318	19	Coal, stone, cement, sand and gravel.
W. Va-----	723	860	918	948	6	Coal, natural gas, stone, cement.
N. C.-----	45	60	83	90	34	Stone, sand and gravel, phosphate rock, cement.
S. C.-----	31	41	52	56	41	Cement, stone, clays, sand and gravel.
Ga.-----	92	135	173	191	29	Clays, stone, cement, sand and gravel.
Fla.-----	180	249	305	295	21	Phosphate rock, stone, cement, sand and gravel.
E. S. C.-----	982	1,105	1,217	1,324	(X)	
Ky.-----	415	466	535	591	13	Coal, stone, petroleum, natural gas.
Tenn-----	146	183	201	205	28	Stone, zinc, cement, coal.
Ala.-----	222	246	260	265	22	Coal, cement, stone, petroleum.
Miss-----	199	210	221	243	25	Petroleum, natural gas, sand and gravel, clays.
W. S. C.-----	7,060	8,795	11,042	11,754	(X)	
Ark-----	160	179	199	208	27	Petroleum, bromine and bromine compounds, natural gas, bauxite.
La.-----	1,991	2,988	4,321	4,685	2	Petroleum, natural gas, natural gas liquid, sulfur.
Okla-----	783	909	1,017	1,091	4	Petroleum, natural gas, natural gas liquids, stone.
Tex-----	4,126	4,719	5,506	5,770	1	Petroleum, natural gas, natural gas liquids, cement.
Mt.-----	2,666	3,117	3,333	3,924	(X)	
Mont-----	179	228	228	283	23	Petroleum, copper, sand and gravel, cement.
Idaho-----	58	105	114	118	32	Silver, phosphate rock, lead, zinc.
Wyo.-----	439	515	576	647	11	Petroleum, natural gas, sodium salts, uranium.
Colo.-----	345	340	359	368	17	Molybdenum, petroleum, coal, sand and gravel.
N. Mex-----	654	807	894	936	7	Petroleum, natural gas, copper, uranium.
Ariz-----	417	583	618	659	8	Copper, molybdenum, sand and gravel, cement.
Utah-----	433	439	424	543	16	Copper, petroleum, coal, molybdenum.
Nev.-----	81	100	120	168	30	Copper, gold, sand and gravel, diatomite.
Pac.-----	1,581	1,873	2,196	2,287	(X)	
Wash-----	72	88	81	89	35	Sand and gravel, cement, stone, zinc.
Oreg-----	56	83	84	90	40	Sand and gravel, stone, cement, nickel.
Calif-----	1,422	1,627	1,805	1,851	3	Petroleum, natural gas, cement, sand and gravel.
Alaska-----	22	84	222	258	24	Petroleum, sand and gravel, natural gas, coal.
Hawaii-----	9	21	23	30	44	Stone, cement, sand and gravel, pumice.

X Not applicable.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1042. PRINCIPAL METALS AND MINERALS—U.S. PRODUCTION AS PERCENT OF WORLD PRODUCTION: 1960, 1965, AND 1969

MINERAL	1960		1965		1969 (prel.)	
	World production	Percent U.S.	World production	Percent U.S.	World production	Percent U.S.
Fuels:						
Coal.....mil. short tons.....	2,906	15	3,089	17	3,171	18
Petroleum (crude).....mil. bbl.....	7,874	34	11,088	26	15,220	22
Nonmetals:						
Asbestos.....1,000 short tons.....	2,440	2	3,140	4	(NA)	(NA)
Barite.....1,000 short tons.....	3,100	25	3,860	22	4,188	26
Cement ¹.....mil. (370-lb.) bbl.....	1,806	18	2,544	15	3,169	13
Feldspar.....1,000 long tons.....	1,470	34	1,980	32	2,267	30
Fluorspar.....1,000 short tons.....	2,190	11	3,110	8	4,174	4
Gypsum.....1,000 short tons.....	43,200	23	53,000	19	55,196	18
Mica (including scrap).....1,000 short tons.....	183	54	218	55	182	73
Nitrogen, agricultural ^{1,2}.....1,000 short tons.....	10,800	26	18,500	27	30,682	23
Phosphate rock.....1,000 long tons.....	40,870	43	85,700	34	(NA)	(NA)
Potash (K ₂ O equivalent).....1,000 short tons.....	10,000	26	15,100	21	18,311	15
Salt ¹.....1,000 short tons.....	93,900	27	119,460	29	147,671	21
Sulfur, elemental.....1,000 long tons.....	10,290	56	15,270	48	19,656	44
Metals, mine basis:						
Bauxite.....1,000 long tons.....	26,980	7	36,970	4	51,113	4
Cadmium.....1,000 lb.....	22,100	40	26,100	27	37,687	34
Copper ^{2,3}.....1,000 short tons.....	4,040	23	5,590	24	6,046	23
Iron ore.....1,000 long tons.....	612,329	17	608,202	14	712,406	12
Lead ².....1,000 short tons.....	2,610	9	2,990	10	3,623	14
Mercury.....1,000 76-lb. flasks.....	242	14	276	7	286	10
Molybdenum ².....1,000 lb.....	89,500	76	115,200	67	142,802	70
Nickel ².....1,000 short tons.....	359	4	481	3	530	3
Silver.....1,000 troy oz.....	240,200	15	264,100	10	288,601	16
Titanium concentrates: Ilmenite ⁴.....1,000 short tons.....	2,205	36	2,723	36	3,631	26
Tungsten (tungsten content).....1,000 lb.....	68,714	11	60,146	13	72,060	13
Vanadium ².....short tons.....	7,090	70	9,083	58	11,949	49
Zinc ².....1,000 short tons.....	3,590	12	4,695	13	6,827	9
Metals, smelter basis:						
Aluminum.....1,000 short tons.....	4,985	40	7,415	37	10,019	38
Copper.....1,000 short tons.....	4,950	25	6,100	24	7,604	21
Iron, pig (incl. ferroalloys).....1,000 short tons.....	285,000	24	369,495	25	459,697	21
Lead.....1,000 short tons.....	2,650	15	2,905	14	3,671	17
Magnesium.....short tons.....	102,600	39	178,300	46	212,049	45
Steel ingots and castings.....1,000 short tons.....	381,400	28	506,850	26	638,431	22
Tin.....long tons.....	192,000	7	190,800	2	224,468	(Z)
Uranium oxide (U ₃ O ₈) ⁴.....short tons.....	40,740	44	21,100	49	21,632	51
Zinc.....1,000 short tons.....	3,280	24	4,280	23	6,686	19

NA Not available. Z Less than 0.5 percent. ¹ U.S. production includes Puerto Rico. ² For years ended June 30. ³ Content of ore and concentrate. ⁴ Excludes U.S.S.R.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1043. STRATEGIC AND CRITICAL MATERIALS INVENTORY: 1960, 1965, AND 1970

[In millions of dollars. As of December 31. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amount that would be realized at time of sale]

INVENTORY	1960		1965		1970	
	Acquisition cost	Market value	Acquisition cost	Market value	Acquisition cost	Market value
Total	8,540	7,549	8,033	7,804	6,373	7,105
Within stockpile objectives.....	4,366	4,345	3,328	3,667	3,602	4,886
Excess to stockpile objectives.....	4,174	3,204	4,705	4,138	2,771	2,219
National stockpile.....	6,130	5,708	5,285	5,642	4,248	5,081
Supplemental stockpile.....	840	799	1,403	1,317	1,420	1,687
Defense Production Act.....	1,457	935	1,341	841	705	437
Commodity Credit Corporation.....	104	100	4	4	(Z)	(Z)
Federal Facilities Corporation.....	10	9	(X)	(X)	(X)	(X)

X Not applicable. Z Less than \$500,000.

Source: General Services Administration; unpublished data.

No. 1044. AVERAGE PRICES OF SELECTED MINERAL PRODUCTS: 1951 TO 1970

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1957*, series M 91, M 134, M 190, and M 238, for bituminous coal, crude petroleum, iron ore, and lead, respectively]

YEARLY AVERAGE OR YEAR	Iron ore ¹	Copper,	Lead	Tin	Zinc	Alumi-	Sulfur,	Bitumj-	Crude
	(Lake Erie ports)	electrolytic ²	(New York)	(New York) ³	(St. Louis) ⁴	num, delivered ⁵	crude (f.o.b. works)	nous coal ⁶	petroleum ⁷
	Dol. per long ton	Cents per lb.	Cents per lb.	Cents per lb.	Cents per lb.	Cents per lb.	Dol. per long ton	Dol. per short ton	Dol. per barrel
1951-1955	9.36	29,277	15,330	106.00	13,610	20.96	23.88	4.75	2.66
1956-1960	11.33	32,478	13,388	99.26	11,919	25.00	24.50	4.84	2.82
1961-1965	10.71	32,000	12,247	136.08	12,646	24.04	23.90	4.47	2.83
1966	11.45	32,453	11,948	101.44	12,946	26.00	23.50	4.69	2.88
1967	10.55	35,417	16,000	178.20	14,500	24.51	25.50	4.44	2.86
1968	10.55	⁸ 42,247	13,212	148.15	13,500	25.58	41.50	4.67	2.94
1969	10.55	47,934	14,895	164.50	14,600	27.18	39.50	4.99	3.03
1970 (prel.)	10.80	58,200	15,619	174.21	15,319	28.72	21.00	6.12	3.16

¹ Lake Superior, Mesabi, non-Bessemer. ² Domestic market. ³ Straits tin. ⁴ Prime western. ⁵ Prices 1951-1955, for 99+ percent virgin ingot aluminum; beginning 1956, for 99+ percent unalloyed ingot. ⁶ Average value at mine, includes Alaska. ⁷ Average value at well, beginning 1958, includes Alaska, and 1959, Hawaii. ⁸ Based on last 9 months. Average suspended Sept. 1, 1967 through Apr. 5, 1968 due to strike of major producers.

Source: Compiled from *Metals Week* (copyright); *The Iron Age* (copyright); *Wholesale Prices and Price Indexes* (Bureau of Labor Statistics); and *Minerals Yearbook*, and unpublished data (Bureau of Mines).

No. 1045. IMPORTS AND EXPORTS OF SELECTED MINERAL AND METAL PRODUCTS: 1960 TO 1970

[Quantity in thousands of short tons, except as noted. Includes trade of Puerto Rico with foreign countries]

MINERAL	QUANTITY				VALUE (\$1,000)			
	1960	1965	1969	1970	1960	1965	1969	1970
IMPORTS FOR CONSUMPTION								
Fuels: Petroleum, crude mil. barrels..	401	502	569	534	895,055	1,119,838	1,298,179	1,258,032
Nonmetallic minerals:								
Asbestos.....	609	684	673	639	63,345	65,878	73,577	74,116
Diamonds:								
Gem.....1,000 carats.....	2,107	3,160	4,689	4,275	165,555	307,285	504,647	424,897
Industrial.....1,000 carats.....	13,146	12,241	11,372	11,210	51,837	53,957	47,118	44,436
Mica.....	11	7	5	6	8,305	8,807	4,818	3,637
Ores and concentrates:								
Bauxite.....1,000 long tons.....	9,586	12,458	13,801	14,334	78,024	142,989	165,639	156,362
Chromite.....	1,387	1,518	1,106	1,406	24,313	25,239	20,030	31,806
Copper.....1,000 short tons of metal.....	83	11	4	66	49,380	6,570	3,274	78,618
Iron ore.....1,000 long tons.....	34,584	45,105	40,733	44,876	321,939	443,807	402,178	479,350
Lead.....1,000 short tons of metal.....	135	129	115	43	27,911	26,923	22,078	8,359
Manganese ore.....	2,280	3,892	1,942	1,735	82,357	110,281	39,163	34,263
Nickel ¹.....1,000 short tons of metal.....	30	31	—	33	29,937	41,226	61,308	95,504
Tin.....1,000 long tons of metal.....	14	4	—	6	31,104	13,228	—	13,987
Tungsten.....short tons of metal.....	1,762	1,802	751	642	3,478	3,886	3,446	3,170
Metals (incl. scrap): ²								
Aluminum.....	160	555	497	387	77,406	226,812	226,026	177,196
Copper.....	177	137	139	137	113,224	93,715	140,063	150,621
Lead ³	221	232	288	253	62,417	70,226	80,265	80,130
Nickel.....	60	135	121	137	116,679	208,353	233,511	327,316
Platinum group.....1,000 troy ounces.....	850	1,220	1,223	1,423	31,900	72,806	93,898	104,861
Tin ⁴.....1,000 long tons.....	40	41	50	51	37,968	160,389	186,089	187,586
Zinc.....	122	159	327	262	29,829	43,609	84,905	73,979
EXPORTS⁵								
Fuels:								
Anthracite.....	1,440	851	627	789	28,803	11,438	8,420	11,215
Bituminous coal.....	30,541	50,270	50,307	70,978	331,616	456,463	589,404	953,969
Petroleum, crude.....1,000 barrels.....	3,037	1,004	1,437	4,991	8,032	2,841	3,694	17,225
Nonmetallic minerals:								
Cement, hydraulic.....1,000 barrels.....	187	748	589	847	1,135	4,288	3,189	5,211
Phosphate rock.....	4,761	1,069	962	815	37,585	10,595	9,230	10,418
Potash material.....	893	1,892	1,260	1,046	25,928	42,502	37,773	36,940
Sulfur ⁶.....1,000 long tons.....	1,787	2,635	1,551	1,433	42,294	65,548	57,783	34,051
Metals (incl. scrap): ²								
Aluminum ⁷.....short tons.....	384,493	242,190	430,669	465,611	155,104	104,984	205,984	235,725
Copper.....	615	424	287	348	356,628	312,051	300,435	402,612
Iron and steel, scrap ⁸	8,040	6,170	8,922	10,114	241,572	197,459	289,638	431,905
Molybdenum ⁹.....short tons.....	145	65	11	336	368	414	70	802
Nickel ¹.....short tons.....	42,633	6,723	18,028	9,779	10,289	4,168	29,455	12,840
Zinc ¹	90	19	43	30	20,815	7,900	11,396	7,971

— Represents zero. ¹ Includes matte and oxide. ² Excludes semifabricated forms, except as noted.

³ Includes alloys in chief value of lead. ⁴ Includes alloys in chief value of tin.

⁵ Includes shipments under foreign aid programs.

⁶ Includes crude (containing 85 percent or more sulfur), crushed, ground, refined, sublimed, and flowers.

⁷ Includes alloys. ⁸ Includes tin plated andterne plated scrap.

Source: Dept. of Commerce, Bureau of the Census; annual report, FT 246, *U.S. Imports for Consumption and General Imports, TSUSA Commodity and Country*; monthly report, FT 410, *U.S. Exports, Schedule B Commodity and Country*; and unpublished data.

No. 1046. EMPLOYMENT IN MINERAL INDUSTRIES: 1950 TO 1969

[Men in thousands; man-hours in millions. Excludes Alaska and Hawaii, except as noted. Excludes data on iron smelting and steel industries]

ITEM	1950		1955		1960		1965		1966		1967		1968		1969 ¹	
Men working daily²	(NA)	(NA)	1,045	907	916	900	904	892								
Coal mines ³	483	260	190	149	145	139	134	135								
Coke.....	24	21	16	16	14	14	13	14								
Petroleum and natural gas.....	518	617	511	437	452	440	467	460								
Metal mines ³	68	65	61	61	60	48	40	47								
Nonmetal mines, incl. clay mines ⁴	12	15	10	17	19	18	17	16								
Sand and gravel operations.....	(NA)	(NA)	52	54	55	52	50	50								
Stone quarries ⁵	86	78	95	90	86	85	84	83								
Metal mills.....	15	18	23	19	20	21	20	23								
Primary nonferrous smelter and refineries.....	31	40	36	42	41	43	42	45								
Nonmetal mills.....	(NA)	9	40	31	32	31	29	28								
Other.....	(NA)	(NA)	3	3	2	3	3	3								
Man-hours worked	(NA)	(NA)	2,083	1,900	1,926	1,863	1,901	1,884								
Coal mines ³	711	419	282	240	244	242	234	238								
Coke.....	66	68	46	41	41	39	38	39								
Petroleum and natural gas.....	1,082	1,303	1,063	932	955	939	937	939								
Metal mines ³	148	137	120	112	112	96	99	104								
Nonmetal mines, incl. clay mines ⁴	28	31	37	38	41	39	36	35								
Sand and gravel operations.....	(NA)	(NA)	96	100	105	97	93	94								
Stone quarries ⁵	190	176	202	194	191	180	187	187								
Metal mills.....	35	40	54	49	51	47	50	55								
Primary nonferrous smelter and refineries.....	81	106	91	109	109	105	109	125								
Nonmetal mills.....	(NA)	20	86	71	73	69	64	63								
Other.....	(NA)	(NA)	5	5	5	5	5	5								

NA Not available. ¹ Preliminary except for coke and petroleum and natural gas. ² Average number of men at work each day mines were active. ³ Includes Alaska. ⁴ Includes Alaska. ⁵ Includes manufacture of cement and lime. Beginning 1960, includes Alaska and Hawaii.

No. 1047. INJURIES IN MINERAL INDUSTRIES, BY INDUSTRY GROUP: 1950 TO 1969

[Excludes Alaska and Hawaii, except as noted. Excludes data on iron smelting and steel industries. See also *Historical Statistics, Colonial Times to 1957*, series M 259-274]

ITEM	NUMBER OF INJURIES					INJURY RATES PER MILLION MAN-HOURS				
	1950	1960	1965	1968	1969 ¹	1950	1960	1965	1968	1969 ¹
Fatal injuries²	952	603	538	607	510	0.41	0.29	0.28	0.32	0.27
Coal mining ³	643	325	269	311	203	0.90	1.15	1.04	1.33	0.85
Coke.....	14	3	7	7	15	0.21	0.07	0.17	0.19	0.39
Petroleum and nat. gas ⁴	109	82	78	102	96	0.10	0.08	0.08	0.10	0.10
Metal mines ³	84	84	58	57	62	0.57	0.70	0.52	0.58	0.60
Nonmetal mines ⁵	19	19	21	36	17	0.67	0.52	0.56	1.01	0.49
Sand and gravel.....	(NA)	25	40	26	31	(NA)	0.26	0.40	0.28	0.33
Stone quarries ⁶	54	39	48	58	53	0.28	0.19	0.25	0.31	0.28
Metal mills.....	7	5	3	2	6	0.20	0.09	0.06	0.04	0.11
Primary nonferrous smelters and refineries.....	22	7	12	4	15	0.27	0.08	0.11	0.04	0.12
Nonmetal mills.....	(NA)	13	10	3	10	(NA)	0.15	0.14	0.06	0.16
Nonfatal injuries²	66,729	36,044	32,800	31,254	32,125	28.51	17.31	17.26	16.44	17.05
Coal mines ³	37,204	11,902	11,138	9,639	9,800	52.38	42.28	44.73	41.12	41.21
Coke.....	780	223	228	204	231	11.84	4.84	5.58	5.43	6.00
Petroleum and nat. gas ⁴	13,500	9,110	8,963	9,069	9,023	12.48	8.57	9.62	9.19	9.61
Metal mines ³	6,611	3,794	3,292	2,836	3,110	44.74	31.71	29.32	28.74	28.92
Nonmetal mines ⁵	1,238	1,056	989	953	885	43.51	28.69	26.19	26.74	25.30
Sand and gravel.....	(NA)	1,919	1,870	1,992	1,930	(NA)	20.04	18.68	21.38	20.49
Stone quarries ⁶	4,762	4,668	3,305	3,260	3,390	25.12	23.07	17.04	17.47	18.13
Metal mills.....	785	488	472	539	620	22.55	9.10	9.70	10.74	11.31
Primary nonferrous smelters and refineries.....	1,789	994	971	1,155	1,565	21.92	10.85	8.86	10.60	12.49
Nonmetal mills.....	(NA)	1,794	1,483	1,519	1,475	(NA)	20.77	20.89	23.82	23.52

NA Not available. ¹ Preliminary except for coke and petroleum and natural gas. ² Beginning 1960, includes industries not shown separately. ³ Includes Alaska. ⁴ For 1960, number of fatalities and permanent total injuries at petroleum and natural gas operations are combined. Fatal-frequency rates for 1960 include an unknown number of permanent total injuries which cannot be separated from fatal injuries. ⁵ Beginning 1960, includes clay mines. Includes Alaska; beginning 1960, includes Hawaii. ⁶ Includes manufacture of cement and lime. Beginning 1960, includes Alaska and Hawaii.

Source of tables 1046 and 1047: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1048. MINERAL INDUSTRIES—

[Excludes establishments for which both value of shipments and expenditures amounted to less than \$500.

MINERAL INDUSTRY	1958			1963			
	Estab- lish- ments	Pay- roll ¹	Value added in mining ²	Estab- lish- ments	All employees		Value added in mining ²
					Number ³	Pay- roll ¹	
		Mil. dol.	Mil. dol.		1,000	Mil. dol.	Mil. dol.
1 All industries.....	36,384	3,749	13,384	38,651	616	3,742	15,910
2 Metal mining.....	2,351	486	1,180	1,614	77	515	1,418
3 Iron ores.....	243	160	488	208	23	162	549
4 Copper ores.....	157	144	266	180	27	187	417
5 Lead and zinc ores.....	290	54	74	205	9	49	84
6 Lead ores.....	213	34	48	125	4	22	34
7 Zinc ores.....	77	21	26	80	5	27	50
8 Gold and silver ores.....	477	23	42	466	4	25	49
9 Lode gold.....	251	12	23	201	2	14	21
10 Placer gold.....	165	5	9	158	(z)	2	6
11 Silver ores.....	61	6	10	107	2	9	22
12 Bauxite.....	29	4	15	17	1	3	18
13 Ferroalloy ores.....	297	27	74	58	3	20	66
14 Manganese ores.....	186	9	20	17	(z)	1	2
15 Tungsten ores and ferroalloy ores, n.e.c.	111	18	54	41	3	19	64
16 Metal mining services.....	95	12	23	83	2	14	25
17 Miscellaneous metal ores.....	763	53	108	417	8	54	210
18 Titanium ores.....	11	4	13	8	1	6	15
19 Uranium-radium-vanadium ores.....	603	44	175	335	7	45	191
20 Mercury ores and misc. metal ores.....	149	4	9	74	1	3	4
21 Anthracite mining.....	1,248	93	164	1,069	12	59	121
22 Anthracite.....	1,163	79	142	1,026	11	53	111
23 Anthracite mining services.....	85	14	22	48	1	6	10
24 Bituminous coal and lignite mining.....	6,940	915	1,616	6,305	134	762	1,607
25 Bituminous coal.....	6,725	905	1,591	6,115	132	752	1,578
26 Lignite.....	58	3	9	59	1	3	12
27 Coal mining services, n.e.c.....	157	7	15	131	1	7	17
28 Oil and gas extraction.....	18,522	1,701	9,032	21,242	272	1,745	11,020
29 Crude petroleum and natural gas.....	12,010	1,043	7,340	14,378	145	1,016	9,016
30 Crude petroleum.....	10,620	967	6,823	12,328	128	892	7,813
31 Natural gas.....	1,390	75	517	2,062	19	124	1,203
32 Natural gas liquids.....	593	96	588	652	14	97	782
33 Oil and gas field services.....	5,919	561	1,108	6,212	112	832	1,241
34 Drilling oil and gas wells.....	3,066	289	587	2,836	55	318	653
35 Oil and gas exploration services.....	348	44	64	373	9	48	90
36 Oil and gas field services, n.e.c.....	2,505	228	456	3,003	48	266	498
37 Nonmetallic minerals mining.....	7,323	555	1,992	8,421	121	661	1,745
38 Dimension stone ¹⁰	335	7	13	310	2	8	15
39 Crushed and broken stone ¹¹	1,970	190	449	2,256	43	229	582
40 Sand and gravel ¹¹	3,708	173	435	4,618	40	212	514
41 Clay and related minerals ¹¹	490	36	87	423	8	42	114
42 Chemical and fertilizer minerals.....	264	121	337	235	21	137	433
43 Barite.....	53	5	11	54	1	7	11
44 Fluorspar.....	55	6	13	30	1	4	9
45 Potash, soda, and borate minerals.....	21	41	111	23	7	52	156
46 Phosphate rock.....	65	27	64	66	6	32	95
47 Rock salt.....	22	11	34	25	2	16	50
48 Sulfur.....	24	25	94	17	3	21	100
49 Chemical and fertilizer mining, n.e.c.....	24	8	10	20	1	6	12
50 Nonmetallic minerals, services.....	75	4	6	119	1	5	9
51 Miscellaneous nonmetallic minerals ¹¹	481	24	63	453	5	28	78

D Withheld to avoid disclosure of information that could be injurious to the national defense. 500,000, or \$500,000.

¹ Gross earnings paid to employees.chased fuel and electric
al expenditures.

and exploration workers.

Includes development

SUMMARY: 1958, 1963, AND 1967

"N.e.c." means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1967*, series M 1-12]

1967 ⁴									
Establishments	All employees		Production workers ⁵			Value added in mining ²	Value of shipments and receipts ⁷	Capital expenditures	i
	Number ¹	Payroll ¹	Number	Man-hours ⁴	Wages				
28,579	1,000 567	Mil. dol. 4,187	1,000 493	Million 895	Mil. dol. 2,888	Mil. dol. 19,330	Mil. dol. 25,849	Mil. dol. 4,058	
1,155	71	552	55	114	396	1,557	2,296	340	2
146	23	186	18	36	133	662	958	109	3
150	21	171	15	33	115	437	670	122	4
187	9	61	7	15	40	108	151	44	5
104	4	31	3	7	22	37	60	34	6
63	5	30	4	8	24	66	60	10	7
183	4	26	3	7	20	51	63	4	8
77	2	16	2	5	13	33	42	2	9
48	(Z)	1	(Z)	(Z)	1	2	3	(Z)	10
58	1	8	1	2	6	16	19	3	11
17	1	4	1	1	3	23	29	(Z)	12
43	4	32	3	6	23	73	108	13	13
20	(Z)	1	(Z)	(Z)	1	2	4	(Z)	14
23	4	31	3	6	22	72	104	13	15
148	3	19	2	5	18	34	48	2	16
295	7	54	6	12	40	175	267	45	17
7	1	6	1	1	5	17	24	1	18
188	5	41	4	9	29	142	218	41	19
100	1	7	1	2	6	15	26	4	20
403	7	41	6	12	35	82	166	6	21
371	6	37	6	10	31	75	140	5	22
32	1	5	1	1	4	10	10	1	23
4,081	124	926	109	212	777	2,010	2,945	334	24
3,921	123	913	107	209	765	1,975	2,898	330	25
46	1	3	(Z)	1	3	13	18	2	26
115	1	10	1	3	10	22	29	3	27
16,358	245	1,855	167	347	1,091	13,394	17,456	3,005	28
8,796	126	1,049	66	130	440	10,965	11,732	2,542	29
7,278	107	901	55	108	366	8,943	9,649	2,066	30
1,618	20	147	11	22	75	2,022	2,083	476	31
684	12	100	11	21	82	905	3,708	214	32
6,878	106	707	91	196	567	1,524	2,017	248	33
2,347	43	295	39	81	255	627	894	140	34
636	8	53	7	16	39	126	152	20	35
3,895	55	359	45	98	274	770	971	88	36
6,582	120	812	95	208	589	2,288	2,996	373	37
244	2	9	2	3	8	18	23	1	38
2,033	43	281	36	81	216	705	959	108	39
3,232	35	229	28	60	174	548	726	94	40
356	0	58	8	17	43	155	218	24	41
233	24	188	16	35	114	741	910	131	42
30	1	5	1	2	4	15	20	1	43
32	1	5	1	1	4	11	20	1	44
33	8	68	5	11	41	188	216	43	45
69	8	60	5	12	35	199	267	45	46
26	3	19	2	4	13	71	81	7	47
31	3	31	2	4	15	253	271	30	48
12	(Z)	2	(Z)	(Z)	1	3	6	1	49
106	1	6	1	2	5	11	16	2	50
378	7	41	5	11	31	111	152	11	51

⁴ Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent).

⁷ Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis.

⁸ Not strictly comparable with data for earlier years because of change in reporting procedures for crude petroleum and natural gas companies. ⁹ Excludes Alaska and Hawaii.

¹⁰ Excludes data for dimension stone quarries operated in conjunction with dressing plants.

¹¹ Excludes data for mining included in establishments classified in manufacturing industries.

Source: Dept. of Commerce, Bureau of the Census; *Census of Mineral Industries: 1958; 1963; and 1967.*

No. 1049. COAL—SUMMARY: 1950 TO 1969

[Quantities in thousands of short tons; values in millions of dollars, except as indicated. Includes coal consumed at mines. See also *Historical Statistics, Colonial Times to 1967*, series M 88-116 and M 118-132]

ITEM	1950	1955	1960	1965	1966	1967	1968	1969
Total coal production:								
Quantity.....	560,388	490,839	434,329	526,954	526,822	564,882	566,706	570,978
Value.....	2,893	2,298	2,098	2,898	2,522	2,652	2,644	2,897
BITUMINOUS COAL ¹								
Production:								
Quantity.....	516,311	404,633	415,512	512,088	533,881	552,626	545,245	560,505
Value, total.....	2,500	2,092	1,950	2,276	2,421	2,555	2,546	2,796
Average per ton.....dollars..	4.84	4.60	4.69	4.44	4.54	4.62	4.67	4.99
Exports:								
Quantity.....	25,468	51,277	36,541	50,181	49,302	49,528	50,637	56,234
Value.....	207	(NA)	332	465	458	475	496	585
Imports:								
Quantity.....	347	337	260	184	178	227	224	109
Value.....	2	(NA)	2	2	2	2	2	1
Consumption	3454,202	3388,885	3380,429	450,164	486,266	480,416	498,830	507,275
Electric power utilities.....	88,262	140,550	173,882	242,729	264,202	271,784	294,739	308,461
Bunker, foreign and lake vessels.....	2,042	1,490	945	655	609	467	417	313
Manufacturing and mining industries.....	218,507	228,343	173,096	196,732	201,490	191,066	188,450	185,835
Retail-dealer deliveries.....	84,422	53,020	30,405	19,048	19,965	17,099	15,224	12,606
Number of mines.....	9,429	7,856	7,865	7,228	6,749	5,873	5,327	5,118
Average number of men employed ⁴	415,582	225,093	169,400	133,732	131,752	131,523	127,894	(NA)
Average number of days worked.....	183	210	191	219	219	219	220	(NA)
Average tons per man:								
Per day.....	6.77	9.84	12.83	17.52	18.52	19.17	19.37	(NA)
Per year.....	1,239	2,064	2,453	3,829	4,052	4,198	4,201	(NA)
Method of mining:								
Percent mechanically loaded underground.....	69.4	84.6	86.3	89.2	91.7	94.5	95.7	96.6
Percent cut by machine.....	91.8	88.1	87.8	53.9	51.0	49.1	48.4	46.2
Percent mined by stripping.....	23.9	24.8	29.5	32.3	33.7	33.9	34.1	35.2
ANTHRACITE (PA.)								
Production:								
Quantity.....	44,077	26,205	18,817	14,866	12,941	12,256	11,461	10,473
Value, total.....	392	206	147	122	101	96	97	101
Average per ton.....dollars..	8.90	7.86	7.82	8.21	7.78	7.85	8.43	9.62
World production, bituminous coal, lignite, and anthracite mil. short tons..	1,997	2,353	2,899	3,083	3,119	2,997	3,092	⁵ 3,171

NA Not available. ¹ Relates to mines having an output of 1,000 tons a year or more, including lignite and small output of anthracite produced.

² Includes coal consumed by railroads. ³ Includes coal consumed by railroads in 1965, and 2,101,000 short tons in 1960) excluded in distribution. ⁴ Average number of men working daily. ⁵ Preliminary.

No. 1050. COAL—PRODUCTION, BY STATES: 1951 TO 1969

[In thousands of short tons. Includes coal consumed at mines]

STATE	1951-1955, avg.	1956-1960, avg.	1961-1965, avg.	1960	1965	1967	1968	1969
Total	496,725	469,288	473,559	434,329	526,954	564,882	556,706	570,978
Anthracite (Pa.)	33,898	22,975	16,931	18,817	14,866	12,256	11,461	10,473
Bituminous and lignite	462,827	446,313	456,628	415,512	512,088	552,626	545,245	560,505
Alabama.....	12,176	12,413	13,484	13,011	14,832	15,486	16,440	17,455
Colorado.....	3,554	3,394	3,978	3,607	4,790	5,439	5,558	5,530
Illinois.....	46,781	46,090	51,795	45,977	58,483	65,133	62,441	64,722
Indiana.....	16,232	15,659	15,311	15,538	15,565	18,772	18,458	20,983
Kentucky.....	66,426	69,038	75,621	66,847	85,766	100,294	101,156	109,050
Missouri.....	2,873	2,898	3,165	2,890	3,564	3,696	3,205	3,301
Ohio.....	35,847	35,379	35,968	33,957	39,390	46,014	48,323	51,242
Pennsylvania.....	89,680	74,839	71,261	65,425	80,308	79,412	76,200	78,631
Tennessee.....	5,023	7,086	6,010	5,931	5,865	6,832	8,148	8,082
Utah.....	6,025	5,642	4,706	4,955	4,992	4,175	4,316	4,657
Virginia.....	20,399	28,400	31,209	27,838	34,053	36,721	36,966	35,555
West Virginia.....	138,858	134,167	130,948	118,944	149,191	153,749	145,921	141,011
Wyoming.....	4,704	2,060	2,917	2,024	3,260	3,588	3,829	4,602
Other States.....	13,349	9,247	10,255	8,568	12,029	13,315	14,254	16,560

Source of tables 1049 and 1050: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1051. COKE—SUMMARY, AND PRODUCTION OF OVEN COKE, BY STATES:
1950 TO 1970

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. See *Historical Statistics, Colonial Times* to 1957, series M 117, for production]

ITEM AND STATE	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Production.....	72,718	75,302	57,229	68,854	64,580	63,653	64,767	60,440
Oven coke ¹	66,891	73,584	56,219	65,198	63,775	62,378	64,047	65,654
Beehive coke.....	5,827	1,718	1,010	1,657	806	775	710	786
Value of products at plant.....mil. dol.	1,279	1,635	1,382	1,429	1,400	1,458	1,692	(NA)
Coke and breeze.....mil. dol.	996	1,247	1,075	1,118	1,167	1,175	1,403	(NA)
All coal-chemical materials.....mil. dol.	283	388	307	311	293	283	289	(NA)
Average market value per ton ².....dollars.	13.43	16.23	18.31	18.94	17.99	18.46	21.67	(NA)
Coal charged.....mil. short tons.	94.9	107.7	81.4	95.3	92.8	91.8	93.4	95.1
Average value per ton.....dollars.	8.41	8.76	9.82	9.40	9.96	9.95	10.36	(NA)
Yield of coke from coal.....percent.	69.9	69.9	70.3	70.4	69.8	69.8	69.3	69.1
Exports.....	398	531	353	834	710	792	1,629	2,514
Imports.....	438	126	126	90	92	94	173	153
Production of oven coke: ¹								
Alabama.....	5,833	6,245	4,897	5,491	5,465	5,482	5,656	6,116
Indiana.....	8,256	9,482	8,024	8,315	8,293	8,144	8,132	8,929
Michigan.....	2,731	3,421	3,270	3,979	3,309	3,684	3,682	3,754
Ohio.....	10,314	11,701	8,423	7,669	8,081	8,428	8,638	8,900
Pennsylvania.....	16,393	19,489	14,146	18,912	18,433	19,110	17,989	18,212
West Virginia.....	3,389	4,825	2,758	3,521	3,309	3,360	3,409	3,230
Other States.....	20,035	18,921	14,692	17,311	16,885	15,691	16,440	16,513

NA Not available. ¹ Excludes screenings or breeze.

² For 1950, data based on value at plant and not comparable with following years.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, and unpublished data.

No. 1052. CRUDE PETROLEUM—PRODUCING OIL WELLS, 1969, PRODUCTION, 1951 TO 1970, AND PROVED RESERVES, 1960 AND 1970, BY STATES

[Production and proved reserves in millions of barrels of 42 gallons. See also *Historical Statistics, Colonial Times* to 1957, series M 133 and M 137]

STATE	PRODUCING OIL WELLS, 1969		PRODUCTION					PROVED RESERVES ¹ (Dec. 31)		
	Approximate number, Dec. 31	Average production per well per day (barrels)	1951-1955, avg.	1956-1960, avg.	1961-1965, avg.	1968	1969	1970 (prel.)	1960	1970
Total.....	542,227	16.9	2,339	2,567	2,737	3,329	3,372	3,516	31,613	39,001
Alabama.....	550	38.5	1	5	8	8	8	7	(²)	65
Alaska.....	183	1,171.2	-	-	10	66	74	83	(²)	10,149
Arkansas.....	0,118	7.9	29	29	27	20	18	18	302	130
California.....	40,997	25.0	358	324	303	375	375	372	3,659	3,984
Colorado.....	1,811	42.6	39	51	39	32	28	26	364	389
Illinois.....	26,733	5.1	66	79	73	56	51	44	566	229
Indiana.....	4,094	5.1	12	12	12	9	8	8	66	37
Kansas.....	44,665	5.4	117	120	109	95	89	85	854	539
Kentucky.....	11,843	2.9	13	20	19	14	13	12	129	61
Louisiana.....	29,393	77.6	250	341	512	817	845	900	4,785	5,710
Michigan.....	3,878	8.2	13	11	17	13	12	12	78	46
Mississippi.....	2,648	68.4	36	44	56	69	64	65	407	355
Montana.....	3,331	35.9	12	27	31	48	44	38	267	242
Nebraska.....	1,805	24.5	6	21	22	13	12	11	86	41
New Mexico.....	17,088	20.8	68	99	113	129	129	128	1,084	701
New York.....	5,263	.7	4	2	2	2	1	1	32	11
North Dakota.....	1,987	30.6	5	16	25	25	23	22	431	192
Ohio.....	15,737	1.9	4	6	9	11	11	9	75	128
Oklahoma.....	80,952	7.6	194	204	201	224	225	224	1,791	1,351
Pennsylvania.....	37,625	.3	10	7	5	4	4	4	108	51
Texas.....	183,141	17.0	1,016	1,004	970	1,133	1,162	1,250	14,758	13,195
Utah.....	843	74.3	2	22	30	24	23	23	208	182
West Virginia.....	12,840	.7	3	2	3	3	3	3	51	53
Wyoming.....	8,978	49.1	83	118	140	144	155	159	1,427	1,017
Other States ³	3,175	23.4	1	1	1	5	5	6	65	83

- Represents zero.

¹ From reports of Committee on Petroleum Reserves, American Petroleum Institute. Figures for California, Louisiana, and Texas include offshore reserves. ² Included in "Other States."

³ Prior to 1960, production data exclude Hawaii.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1053. CRUDE PETROLEUM AND REFINED PRODUCTS: 1950 TO 1969

[In millions of barrels of 42 gallons, except as indicated. Prior to 1960 and as noted, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series M 133-136 and M 169-177]

ITEM	1950	1955	1960	1965	1966	1967	1968	1969 ¹
Crude petroleum:								
Domestic production.....	1,974	2,484	2,575	2,849	3,028	3,218	3,329	3,372
Value at wells.....mil. dol.	4,963	6,870	7,420	8,158	8,726	9,376	9,795	10,427
World production.....	3,803	5,626	7,689	11,058	12,020	12,889	14,104	15,220
U.S. proportion of world total.....percent.	52	44	33	25	25	25	24	22
Imports.....	178	285	372	452	447	412	472	514
Exports.....	35	12	3	1	1	27	2	1
Stocks Dec. 31, gasoline-bearing crude.....	248	266	240	220	238	249	272	265
Runs to stills.....	2,095	2,730	2,663	3,301	3,447	3,583	3,774	3,880
Average price per barrel at wells.....dol.	2.51	2.77	2.88	2.86	2.88	2.92	2.94	3.09
Refined products:								
Imports.....	133	170	293	449	492	514	587	641
Exports.....	76	123	71	67	71	86	88	84
Stocks, Dec. 31 ²	327	436	516	580	549	695	725	715
Output of motor and aviation fuel.....	1,024	1,374	1,522	1,704	1,793	1,840	1,940	2,028
Yield of gasoline.....percent.	43.0	44.0	45.1	44.0	44.4	44.0	43.9	44.8
Completed refineries, Dec. 31.....	367	318	311	286	281	291	284	281
Daily crude-oil capacity.....	7.0	8.6	10.0	10.5	10.8	11.5	11.7	12.1
Average dealer's net price (excl. tax) of gasoline (56 cities) ³.....cents per gal.	15.10	16.18	16.08	15.38	15.83	16.31	16.51	17.11

¹ Preliminary, except for 1969, which is final value.

² Beginning 1955, new

³ Beginning 1965, figure for 1960 from American Petroleum Institute.

No. 1054. PETROLEUM—RUNS TO STILLS AND REFINERY PRODUCTS, BY CLASS: 1950 TO 1970

[In millions of barrels of 42 gallons. Prior to 1965, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series M 152-167]

PRODUCT	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Input	2,190	2,857	3,119	3,527	3,827	4,037	4,149	4,252
Crude petroleum.....	2,095	2,730	2,953	3,301	3,582	3,774	3,880	3,967
Domestic.....	1,919	2,447	2,582	2,848	3,174	3,308	3,364	3,436
Foreign.....	176	283	371	453	408	466	516	432
Natural-gas liquids ¹	95	126	167	226	245	263	269	285
Output	2,190	2,857	3,119	3,527	3,827	4,037	4,149	4,252
Gasoline.....	998	1,332	1,510	1,684	1,839	1,934	2,022	2,100
Kerosene.....	119	117	136	93	99	101	102	95
Distillate fuel oil.....	399	608	667	765	804	839	847	896
Residual fuel oil.....	425	420	332	269	276	276	266	258
Jet fuel.....	—	57	88	191	273	315	322	302
Lubricants.....	52	56	59	63	65	66	65	66
Wax (1 bbl. = 280 lb).....	4	6	6	5	6	6	6	6
Coke (6 bbl. = 1 sh. ton).....	17	28	60	86	91	95	103	108
Asphalt (5.5 bbl. = 1 sh. ton).....	53	83	99	124	123	135	136	147
Still gas (1 bbl. = 3,000 cu. ft.).....	84	117	129	135	140	150	160	164
Liquefied gases.....	29	44	78	107	111	118	123	116
Petrochemical feedstocks.....	(NA)	(NA)	(NA)	58	87	95	98	100
Other finished products.....	12	19	30	49	49	50	55	63
Other unfinished oils (net) ²	7	11	22	32	34	26	33	38
Shortage ²	1	12	53	80	107	117	123	151

¹ Represents zero. NA Not available. ² Includes other liquid hydrocarbon. ³ Negative quantities.

No. 1055. NATURAL-GAS LIQUIDS—PRODUCTION AND VALUE: 1950 TO 1969

[Prior to 1960, excludes Alaska. See also *Historical Statistics, Colonial Times to 1957*, series M 148-151]

ITEM	1950	1955	1960	1965	1967	1968	1969
Total produced.....mil. (42-gal.) bbl.	182	231	340	442	514	550	580
Natural gasoline and mixtures ¹.....mil. (42-gal.) bbl.	77	106	107	130	139	148	158
Liquefied petroleum gases ².....mil. (42-gal.) bbl.	72	142	201	283	327	351	378
Cycle products.....mil. (42-gal.) bbl.	33	33	32	44	49	51	44
Value at plants:							
Natural gasoline ¹.....mil. dol.	214	313	313	361	389	412	458
Liquefied petroleum gases ².....mil. dol.	98	195	392	417	633	552	499
Cycle products.....mil. dol.	108	111	104	134	158	160	145
Average value, all light products.....dol. per bbl.	2.31	2.18	2.39	2.06	2.29	2.04	1.90
Natural gas processed.....bil. cu. ft.	5,342	8,136	9,768	13,772	15,642	16,317	17,656
Average yield, all light products.....gal. per 1,000 cu. ft.	1.43	1.44	1.46	1.35	1.38	1.42	1.38

¹ Beginning 1955, includes isopentane; included in LP-gases for prior years. ² Includes ethane.

Source of tables 1053-1055: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

NO. 1056. NATURAL GAS—PRODUCTION, CONSUMPTION, VALUE, AND RESERVES: 1950 TO 1969

[Prior to 1960, excludes Alaska. See also *Historical Statistics, Colonial Times to 1967*, series M 138-147]

ITEM	1950	1955	1960	1965	1967	1968	1969
Marketed production ¹.....bil. cu. ft.	6,282	9,405	12,771	16,040	18,171	19,322	20,698
Value (at wells).....mil. dol.	409	978	1,790	2,495	2,809	3,169	3,456
Average per 1,000 cu. ft.....cents.	6.5	10.4	14.0	15.6	16.0	16.4	16.7
Producing gas wells, Dec. 31.....number	64,900	71,475	90,761	111,680	112,321	114,891	114,476
Total consumption.....bil. cu. ft.	6,026	9,070	12,509	16,033	18,173	19,460	20,923
Residential.....bil. cu. ft.	1,198	2,124	3,103	3,903	4,313	4,450	4,728
Commercial.....bil. cu. ft.	388	629	1,020	1,443	1,717	1,801	1,955
Industrial.....bil. cu. ft.	4,440	6,317	8,386	10,687	12,143	13,209	14,240
Value (at point of consumption)							
of gas consumed.....mil. dol.	1,604	3,626	6,270	8,368	9,442	9,800	10,769
Residential.....mil. dol.	826	1,885	3,209	4,091	4,501	4,635	4,954
Commercial.....mil. dol.	184	395	791	1,115	1,338	1,398	1,626
Industrial.....mil. dol.	593	1,346	2,270	3,161	3,603	3,767	4,289
Average per 1,000 cu. ft.....cents.	26.6	40.0	50.1	52.2	51.9	50.3	51.5
Residential.....cents.	69.0	88.7	103.4	104.8	104.3	104.7	104.7
Commercial.....cents.	47.6	62.7	77.5	77.3	77.9	77.6	78.1
Industrial.....cents.	13.4	19.6	27.1	29.6	29.7	28.5	30.1
Number of consumers:							
Residential.....1,000..	16,906	26,084	31,148	35,302	36,434	37,259	38,096
Commercial.....1,000..	1,347	2,140	2,684	2,991	3,077	3,121	3,222
Proved reserves, Dec. 31 ².....bil. cu. ft.	184,585	223,697	263,759	286,469	292,008	287,350	275,109

¹ Comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines. ² Estimated. Source: American Gas Association, Arlington, Va.

NO. 1057. NATURAL GAS—PRODUCTION, 1950 TO 1969, AND RESERVES, 1960 AND 1969, BY STATES

[In billions of cubic feet]

STATE	MARKETED PRODUCTION ¹							RESERVES ²	
	1950	1955	1960	1965	1967	1968	1969	1960	1969
Total.....	6,282	9,405	12,771	16,040	18,171	19,322	20,698	263,759	275,109
Arkansas.....	48	32	55	83	117	157	169	1,460	2,633
California.....	558	538	518	660	681	715	678	8,844	8,871
Colorado.....	11	49	107	126	117	121	119	2,043	1,696
Illinois.....	18	8	12	7	5	4	4	173	338
Kansas.....	364	471	634	793	872	836	883	19,620	14,125
Kentucky.....	73	73	75	79	89	89	81	1,144	921
Louisiana.....	832	1,680	2,988	4,467	5,717	6,416	7,228	63,386	85,047
Michigan.....	11	8	21	35	34	40	36	580	751
Mississippi.....	114	163	172	167	139	135	131	2,542	1,411
Montana.....	39	28	33	28	26	19	41	626	1,110
Nebraska.....	(2)	13	16	11	8	8	7	118	67
New Mexico.....	213	541	799	937	1,068	1,164	1,138	15,604	14,282
North Dakota.....	1	5	19	36	40	41	34	1,151	640
Ohio.....	43	34	36	35	41	43	50	766	809
Oklahoma.....	482	615	824	1,321	1,413	1,891	1,524	17,311	17,598
Pennsylvania.....	91	99	114	84	90	88	79	1,192	1,304
Texas.....	3,126	4,731	5,893	6,637	7,189	7,495	7,853	119,489	112,393
Utah.....	4	17	51	72	49	46	47	1,526	1,091
West Virginia.....	190	212	209	207	211	237	232	1,831	2,447
Wyoming.....	62	78	182	236	240	248	304	3,935	3,937
Other States ³	5	9	12	18	25	28	60	411	5,734

Z Less than 500 million cubic feet.

¹ Comprises gas sold or consumed by producers, including loss due to natural-gas liquids recovery, losses in transmission, amounts added to storage, and increases in gas in pipelines. Beginning 1965, data on pressure base of 14.73 pounds per square inch absolute; prior years, 14.05.

² Estimated recoverable proved reserves. Offshore reserves included for California, Louisiana, and Texas. Excludes gas lost due to natural-gas liquids recovery. Source: American Gas Association, Arlington, Va.

³ Prior to 1960, excludes Alaska.

Source of tables 1056 and 1057: Dept. of the Interior, Bureau of Mines: *Minerals Yearbook*, except as noted.

No. 1058. CEMENT—SUMMARY: 1950 TO 1969

[In thousands of barrels of 376 pounds, except as indicated. Includes Puerto Rico. Excludes Alaska and, prior to 1960, Hawaii, except that imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See also *Historical Statistics, Colonial Times to 1967*, series M 178-179]

ITEM	1950	1955	1960	1965	1966	1967	1968	1969
Production of finished cement	230,272	314,913	334,130	388,847	401,771	385,848	412,273	416,889
Portland.....	226,026	297,453	319,009	371,422	384,632	369,399	394,909	390,802
Prepared masonry.....	(NA)	16,519	14,553	17,146	17,026	16,384	17,278	17,201
Natural, slag, and hydraulic lime.....	14,246	941	568	279	113	95	86	86
Active plants, number:								
Portland.....	150	157	170	181	184	188	183	181
Natural, slag, and hydraulic lime.....	9	6	4	4	3	3	3	3
Shipments	231,975	310,245	327,087	391,686	397,459	390,271	414,786	427,227
Value.....mil. dol.	546	897	1,104	1,245	1,251	1,238	1,322	1,382
Per barrel.....dollars	2.35	2.89	3.37	3.18	3.15	3.17	3.19	3.23
Portland.....	227,756	292,765	312,292	374,085	380,694	374,017	397,448	400,822
Prepared masonry.....	(NA)	16,526	14,247	17,321	16,656	16,160	17,252	17,316
Natural, slag, and hydraulic lime.....	14,219	954	548	279	109	94	86	85
Stocks at mills, Dec. 31 (Portland).....	13,119	17,539	35,040	33,015	41,237	41,659	42,126	38,074
Imports.....	1,410	5,220	4,108	5,605	7,066	5,913	7,239	9,687
Exports.....	2,418	1,795	187	748	1,069	980	942	689
World production (est.) mil. bbl.	782	1,275	1,856	2,543	2,722	2,813	3,010	3,199

NA Not available. ¹ Includes masonry cement from natural, slag, and hydraulic lime plants.

No. 1059. PORTLAND CEMENT—PRODUCTION, BY STATES: 1950 TO 1969

[In thousands of barrels of 376 pounds]

STATE	1950	1955	1960	1965	1966	1967	1968	1969
Total	226,026	297,453	319,009	371,422	384,632	369,399	394,909	399,602
Alabama.....	10,372	12,161	11,935	14,089	14,632	13,445	13,201	13,686
California.....	26,277	35,449	39,892	45,172	45,322	42,055	47,076	50,766
Illinois.....	7,924	8,810	9,270	9,235	9,103	9,608	9,719	8,872
Iowa.....	7,416	10,182	12,527	13,575	13,669	13,650	13,544	13,633
Kansas.....	8,616	9,219	7,996	8,877	9,174	9,023	9,587	9,737
Michigan.....	12,967	18,205	20,971	27,018	28,848	29,802	31,195	30,565
Missouri.....	9,778	12,001	12,606	13,975	13,956	14,888	19,806	20,860
New York and Maine.....	14,196	20,049	20,134	29,622	30,555	26,084	28,696	27,555
Ohio.....	10,607	13,966	16,850	14,599	15,755	14,773	14,801	14,098
Pennsylvania.....	38,646	46,863	37,170	39,340	42,180	39,410	43,929	43,104
Tennessee.....	6,685	8,110	7,928	8,829	8,286	7,947	8,584	8,813
Texas.....	17,160	24,241	23,190	30,771	31,487	32,277	34,161	35,823
Other States ¹	55,392	78,197	98,642	116,320	121,660	115,777	120,130	121,491

¹ Includes Puerto Rico. Excludes Alaska and, prior to 1960, Hawaii.

No. 1060. GYPSUM—SUMMARY: 1950 TO 1970

[Quantities in thousands of short tons; values in thousands of dollars. Excludes Alaska, Hawaii, Puerto Rico, except for imports and exports. See *Historical Statistics, Colonial Times to 1967*, series M 180, gypsum mined]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Active establishments ¹	87	83	96	113	113	115	114	112
Crude gypsum: ²								
Mined.....	8,163	10,684	9,825	10,033	9,393	10,015	9,905	9,462
Imports for consumption.....	3,219	3,977	5,301	5,611	4,563	5,474	5,353	6,123
Apparent supply.....	11,412	14,661	15,126	15,644	13,956	15,492	15,763	15,690
Calcined gypsum produced	7,341	8,848	8,591	9,320	7,879	8,844	9,324	8,654
Value.....	60,480	88,576	120,984	133,028	115,467	133,239	143,406	133,877
Gypsum products sold, total value	205,383	319,323	381,190	419,620	362,268	404,739	414,880	413,329
Value.....	2,218	2,038	3,718	4,877	4,511	4,936	4,681	4,219
Industrial uses, quantity.....	7,012	11,435	16,486	20,313	20,882	23,146	22,043	19,965
Value.....	6,288	299	284	310	293	301	316	286
Building uses, value.....	4,530	6,337	6,362	8,281	8,288	8,914	8,789	7,390
Building uses, value.....	192,940	301,551	339,342	391,026	333,098	372,680	384,063	385,993

¹ Each mine, plant, or combination mine and plant is counted as 1 establishment.

² Excludes byproduct gypsum.

³ Made from domestic, imported, and byproduct gypsum.

Source of tables 1058-1060: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1061. SAND AND GRAVEL—QUANTITY SOLD AND VALUE: 1950 TO 1969

[Quantities in thousands of short tons; value in thousands of dollars, except as indicated. Prior to 1960, includes Puerto Rico. See *Historical Statistics, Colonial Times to 1897*, series M 183, for total]

ITEM	1950	1955	1960	1965	1967	1968	1969
Total sold or used by producers.	370,455	592,153	709,792	908,049	905,799	917,468	937,169
Use:							
Construction.....	350,936	562,796	685,542	877,747	875,128	885,291	901,974
Building.....	132,873	213,712	230,994	273,586	265,940	294,938	306,225
Paving.....	204,242	327,976	388,950	460,081	490,626	471,130	481,688
Other.....	13,821	21,108	66,698	138,080	118,562	119,223	114,071
Industrial sand.....	17,238	18,594	18,330	25,391	25,323	26,975	29,021
Miscellaneous gravel.....	2,281	10,763	6,920	4,911	5,348	5,202	6,173
Glass of operation:							
Commercial.....	127,556	420,070	522,895	655,884	667,601	710,693	730,977
Sand.....	124,982	196,528	234,139	297,413	305,170	322,910	339,453
Gravel.....	132,574	223,548	288,756	368,471	362,481	387,763	391,524
Government-and-contractor.....	112,899	172,077	186,897	282,165	238,198	206,805	200,184
Sand.....	13,918	24,591	31,617	55,322	53,642	46,311	41,422
Gravel.....	98,981	147,486	155,890	196,843	184,556	160,494	164,762
Total value.....	1295,040	536,236	720,432	957,416	980,619	1,020,107	1,069,667
Average per ton.....dollars..	.80	.91	1.01	1.05	1.08	1.11	1.14

¹ Excludes ground sand.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1062. STONE—QUANTITY SOLD OR USED BY PRODUCERS, AND VALUE: 1950 TO 1969

[1950 includes Puerto Rico]

KIND AND USE	QUANTITY SOLD OR USED ¹ (mil. short tons)					VALUE (mil. dol.)				
	1950	1960	1965	1968	1969	1950	1960	1965	1968	1969
	Total ²	252	617	780	820	863	404	953	1,204	1,318	1,425
Granite.....	22	43	60	71	76	51	90	121	148	161
Basalt and related rocks.....	23	58	76	73	79	34	88	121	125	143
Sandstone ³	9	21	29	27	27	24	49	62	63	64
Marble.....	(2)	2	2	3	2	11	31	39	32	35
Limestone ⁴	181	451	555	604	629	253	623	766	874	937
Other stone.....	16	21	34	20	26	17	28	46	31	40
Shell.....	-	19	22	20	20	-	34	34	29	28
Slate.....	1	1	1	1	1	15	9	14	14	14

- Represents zero. Z Less than 500,000.

¹ Quantities of stone not sold by short tons are expressed in approximate short ton equivalents.

² Beginning 1960, includes calcareous marl not shown separately.

³ Beginning 1960, includes ground sandstone, quartz, and quartzite for abrasives and other uses.

⁴ Beginning 1960, includes limestone, cement rock, and dolomite used in making cement, lime, and dead-burned dolomite.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1063. LIME—QUANTITY SOLD OR USED BY PRODUCERS: 1950 TO 1969

[Quantities in thousands of short tons. Prior to 1960, includes Puerto Rico. See also *Historical Statistics, Colonial Times to 1897*, series M 181-182]

ITEM	1950	1955	1960	1965	1967	1968	1969
Active plants.....number..	163	150	157	212	209	206	201
Quantity sold or used by producers.....	7,478	10,480	12,935	16,794	17,955	18,637	20,209
Value.....\$1,000..	83,248	127,144	172,733	232,939	240,216	249,639	280,736
Per ton.....dollars..	11.13	12.13	13.35	13.87	13.36	13.39	13.99
Open-market lime.....	7,022	8,930	8,189	10,449	11,461	12,054	13,113
Captive tonnage lime ¹	456	1,550	4,746	6,345	6,624	6,583	7,096
By type: Quicklime.....	3,834	6,113	8,271	12,009	13,449	14,440	15,479
Hydrated.....	1,885	2,238	2,715	2,609	2,656	2,304	2,864
Dead-burned dolomite.....	1,769	2,129	1,949	2,176	1,880	1,833	1,866
By use: Agricultural.....	333	305	187	217	174	213	180
Building.....	1,240	1,310	1,209	1,477	1,433	1,422	1,532
Chemical and industrial.....	4,137	6,736	9,591	12,924	14,488	15,170	16,030
Refractory (dead-burned dolomite).....	1,759	2,129	1,949	2,176	1,890	1,833	1,866

¹ Incomplete; through 1960, only partial coverage of captive plants.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1064. PHOSPHATE ROCK—SUMMARY: 1950 TO 1969

[Quantities in thousands of short tons]

ITEM	1950	1955	1960	1965	1967	1968	1969
Mine production.....	(NA)	44,432	60,858	84,306	128,973	143,336	121,712
P ₂ O ₅ content.....	(NA)	5,582	9,276	14,320	19,503	20,024	18,044
Marketable production.....	12,478	13,737	19,618	29,482	39,770	41,251	37,725
P ₂ O ₅ content.....	3,994	4,353	6,096	9,132	12,464	12,543	11,684
Value.....\$1,000.....	63,334	75,379	117,041	193,323	265,947	250,692	208,689
Per ton.....dollars.....	5.08	5.49	5.97	6.55	6.69	6.08	5.53
Sold or used by producers.....	11,484	14,768	19,266	29,039	37,835	37,319	30,730
P ₂ O ₅ content.....	3,736	4,582	5,994	9,015	11,855	11,594	11,431
Value.....\$1,000.....	59,028	82,904	115,363	188,590	251,163	228,347	204,409
Per ton.....dollars.....	5.14	5.61	5.99	6.49	6.64	6.12	5.57
Imports for consumption 1.....	97	131	144	143	139	116	140
Value.....\$1,000.....	² 1,114	2,703	3,754	2,980	3,261	2,679	3,554
Per ton.....dollars.....	² 11.48	20.63	26.07	20.14	23.46	23.09	25.42
Exports.....	1,971	2,445	4,473	7,323	10,072	12,099	11,336
P ₂ O ₅ content.....	691	806	1,445	2,313	3,290	3,917	3,685
Value.....\$1,000.....	10,365	14,269	26,032	51,109	69,479	75,653	62,238
Per ton.....dollars.....	5.26	5.84	5.95	6.98	6.90	6.25	5.40
Consumption, apparent 3.....	0,611	12,454	14,937	21,864	27,902	25,336	25,534
World production.....	25,760	33,578	46,110	70,298	85,914	92,500	89,710

NA Not available. ¹ Data on P₂O₅ content not available.² Market value (price) at port of shipment. ³ Amount sold or used plus imports minus exports.

No. 1065. POTASH—SUMMARY: 1950 TO 1969

[Quantities in thousands of short tons]

ITEM	1950	1955	1960	1965	1967	1968	1969
Production of potassium salts (marketable).....	2,243	3,514	4,472	5,401	5,649	4,769	4,918
Approximate equivalent K ₂ O.....	1,288	2,067	2,638	3,140	3,299	2,722	2,801
Value 1.....\$1,000.....	45,349	78,602	89,678	129,767	105,313	75,604	73,572
Sales of potassium salts by producers.....	2,222	3,405	4,412	5,027	5,363	5,091	5,240
Approximate equivalent K ₂ O.....	1,276	2,006	2,602	2,931	3,128	2,913	3,039
Value at plant.....\$1,000.....	44,938	76,176	88,417	121,161	100,566	81,620	78,062
Per ton.....dollars.....	20.22	22.37	20.04	24.10	18.75	16.03	14.62
Imports for consumption of potash materials.....	381	331	415	1,867	2,920	3,658	3,978
Approximate equivalent K ₂ O.....	201	178	226	1,108	1,708	2,172	2,340
Value.....\$1,000.....	13,994	11,769	15,370	52,675	73,469	78,077	67,034
Exports of potash materials.....	117	229	833	1,099	1,175	1,335	1,259
Approximate equivalent K ₂ O.....	65	130	491	648	693	748	709
Value.....\$1,000.....	5,534	9,203	25,926	42,494	39,896	43,467	37,773
Apparent consumption of potassium salts 2.....	2,486	3,507	3,994	5,795	7,117	7,413	8,059
Approximate equivalent K ₂ O.....	1,412	2,054	2,337	3,391	4,141	4,337	4,700
World production (marketable), approximate equivalent K ₂ O.....	5,300	8,000	10,000	15,100	17,400	17,900	18,300

¹ Derived from reported value of amount sold or used.² Amount sold or used plus imports minus exports.

No. 1066. SULFUR—SUMMARY: 1950 TO 1970

[Quantities in thousands of long tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 185-189]

ITEM	1950	1955	1960	1965	1968	1969	1970 1
Production, sulfur, all forms 2.....	5,986	7,027	6,661	8,212	9,739	9,540	9,590
Sulfur from Frasch mines.....	5,192	5,739	4,943	6,116	7,460	7,146	7,082
Recovered elemental sulfur (sulfur content).....	142	399	767	1,215	1,354	1,414	1,467
Pyrites (gross weight).....	931	1,007	1,016	875	872	(D)	(D)
Sulfur content.....	393	410	416	354	362	(D)	(D)
Byproduct sulfuric acid 3 (sulfur content).....	216	325	345	388	430	617	(NA)
Shipments, Frasch mines.....	5,505	5,339	5,093	7,251	6,645	6,551	6,410
Approximate value.....mil. dol.....	104	163	115	165	268	177	(NA)
Average value per long ton.....dollars.....	18.89	27.94	23.08	22.71	40.35	26.97	(NA)
Imports for consumption:							
Sulfur, ore and other (gross weight).....	(Z)	35	741	1,486	1,572	1,675	1,537
Pyrites (gross weight).....	299	80	306	4160	4140	4120	(D)
Exports, sulfur.....	1,479	1,636	1,787	2,635	1,602	1,547	1,430

D Production of sulfur from elemental sulfur. Z Less than 500 tons.

¹ Production of sulfur from elemental sulfur. ² Production of sulfur from elemental sulfur. ³ Production of sulfur from elemental sulfur. Source of tables 1064-1066: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1067. SALT—SUMMARY: 1940 TO 1969

[Quantities in thousands of short tons. Prior to 1960, production includes Puerto Rico and for 1940, 1950, and 1960 excludes Hawaii. See *Historical Statistics, Colonial Times to 1967*, series M 28 and M 190, for production and value]

ITEM	1940	1950	1955	1960	1965	1967	1968	1969
Production ¹	10,360	16,630	22,704	25,479	34,687	38,946	41,274	44,245
California	469	868	1,315	1,443	1,638	1,732	1,901	1,981
Kansas ²	884	846	911	1,213	1,053	1,089	1,128	1,199
Louisiana	1,133	2,279	3,563	4,792	8,120	9,585	10,908	12,468
Michigan	2,863	4,447	4,975	4,088	4,171	4,789	4,893	4,900
New York	2,118	2,807	3,780	4,008	5,002	5,320	5,218	5,366
Ohio	2,080	2,515	2,905	3,108	5,020	5,407	5,713	5,982
Texas	402	1,852	3,583	4,756	6,964	8,344	8,534	9,080
West Virginia	144	368	638	920	1,153	1,127	1,308	1,318
Other States	466	648	1,035	1,151	1,554	1,573	1,671	1,971
Evaporated (manufactured)	2,783	3,320	3,987	4,104	4,925	5,289	5,522	5,663
In brine	5,312	9,373	13,424	14,911	19,952	21,996	23,291	25,185
Rock salt	2,266	3,927	5,293	6,466	9,810	11,661	12,461	13,397
Total value ³ mil. dol.	26	60	123	161	216	251	272	288
Exports	147	190	407	420	688	678	728	794
Imports for consumption	30	8	180	1,057	2,410	2,843	3,456	2,900

¹ Represents sales plus quantities used by producers.

² Brine included in "Other States." ³ F.o.b. mine or refinery; excludes cost of cooerage or containers.

No. 1068. COPPER—SUMMARY: 1951 TO 1970

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1967*, series M 225-231]

ITEM	1951-55 (avg.)	1955	1960	1965	1968	1969	1970 (prel.)
New (primary) copper produced—							
From domestic ores, as reported by—							
Mines	923	999	1,080	1,352	1,205	1,545	1,706
Copper ore produced ¹	100,642	112,550	134,994	173,286	170,054	223,762	(NA)
Average yield of copper.....percent.	0.85	0.83	0.73	0.70	0.60	0.60	(NA)
Smelters	929	1,007	1,143	1,403	1,235	1,547	1,605
Percent of world total	28	28	23	23	19	21	(NA)
Refineries	929	997	1,121	1,336	1,161	1,469	1,521
From foreign ores, matte, etc., refinery reports	817	345	398	376	276	274	244
Total new refined, domestic and foreign	1,246	1,342	1,510	1,712	1,437	1,743	1,765
Secondary copper produced	925	989	871	1,253	1,218	1,375	1,257
Recovered from old scrap only	445	515	429	513	521	575	526
Imports (unmanufactured)²	595	594	524	523	710	414	301
Refined	255	202	143	137	400	131	132
Exports of metallic copper³	224	250	510	379	314	241	272
Refined (ingots and bars)	167	200	434	325	241	200	221
Stocks (producers), Dec. 31	230	235	359	281	320	330	470
Mine production of primary copper	923	999	1,080	1,352	1,205	1,545	1,706
Arizona	407	454	539	703	628	801	910
Michigan	29	50	60	72	75	75	70
Montana	68	82	92	115	69	103	123
Nevada	65	79	77	71	77	105	101
New Mexico	70	66	67	99	91	120	165
Utah	254	233	213	259	228	297	295
Other States	30	35	30	32	36	43	42
Average price.....cents per pound	28.8	37.3	32.1	35.4	42.2	47.9	58.2
World smelter production, new copper	3,280	3,630	5,040	6,105	6,805	7,293	(NA)

NA Not available. ¹ Includes old tailings, smelted or retreated. Not comparable with mine production figure. ² Includes material entering country under bond. Comprises copper, anodes, and scrap. ³ Includes refined and unrefined copper. Also excludes production of copper from electrolytic metal, and unrefined copper. Beginning 1960, data not strictly comparable with earlier years due to changes in reporting procedures.

No. 1069. IRON ORE—SUMMARY: 1950 TO 1970

[Quantities in thousands of long tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 195-206]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Production	98,045	103,003	88,784	87,439	84,179	85,865	88,260	89,836
By district:								
Lake Superior.....	79,627	83,255	71,792	66,432	64,229	66,224	68,780	70,233
Southeastern.....	7,508	7,108	4,385	1,964	1,897	1,509	237	1,400
Northeastern.....	4,475	4,650	4,125	5,173	4,197	5,963	3,800	3,496
Western.....	5,801	6,958	4,583	13,065	13,092	13,441	14,832	14,017
Byproduct ore.....	1,575	1,034	3,918	805	772	728	661	691
By type of ore:								
Hematite ²	87,156	92,958	136,847	47,043	40,991	34,627	39,499	(NA)
Limonite ²	2,615	2,461	1,641	2,664	1,760	1,177	1,568	(NA)
Magnetite ²	7,699	6,550	18,205	30,927	40,656	49,331	46,533	(NA)
Byproduct ore ⁴	1,575	1,034	791	805	772	728	661	691
Number of mines	247	305	247	183	131	111	92	(NA)
Shipments³	97,764	108,258	82,063	84,079	82,415	81,934	89,864	88,343
Value ⁵.....\$1,000.....	487,990	756,863	724,131	801,388	817,511	836,433	920,203	(NA)
Average value per ton at mine.....	\$4.99	\$7.12	\$8.73	\$9.53	\$9.92	\$10.21	\$10.34	(NA)
Stocks at mines, Dec. 31	5,726	4,281	12,387	12,667	12,959	16,041	13,790	14,304
Imports for consumption	8,281	23,472	34,578	45,103	44,611	43,941	40,733	44,876
Value.....\$1,000.....	43,968	177,457	321,919	443,788	443,918	453,753	402,178	479,380
Exports	2,561	4,517	5,273	7,085	5,906	5,884	5,160	5,491
Value.....\$1,000.....	15,717	36,993	57,809	80,418	71,585	70,835	62,310	67,899
World production (estimate)	247,000	363,421	513,926	611,187	612,820	674,440	712,406	744,000

NA Not available. ¹ Includes undistributed. ² Predominant mineral.

³ Includes brown ore from Tenn., Mo., and Tex.; also magnetite from Calif., Utah, and Wyo.

⁴ Pyrites, cinder, and slinter.

⁵ Beginning 1960, excludes byproduct ore except shipments for 1955, 1966, and 1967.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1070. PIG IRON AND FERROALLOYS—SUMMARY: 1945 TO 1970

[In thousands of short tons, except furnaces. See *Historical Statistics, Colonial Times to 1957*, series P 233]

ITEM	1945	1950	1955	1960	1965	1968	1969	1970
Blast furnaces, total number ,								
Jan. 1.....	243	248	261	263	239	230	230	228
Number in blast, Jan. 1.....	218	218	206	229	191	173	154	160
Blast furnace production	54,166	65,440	77,790	67,320	88,869	89,333	95,480	91,816
Pig iron.....	53,223	64,587	76,858	66,481	88,185	88,780	95,017	91,435
Ferroalloys.....	943	853	932	839	674	553	463	381
Electric furnace production, ferroalloys	753	960	1,474	1,246	2,059	2,029	2,112	2,035
Total production	54,919	66,400	79,264	68,566	90,918	91,362	97,130	93,470
Basic.....	39,867	49,880	62,485	58,261	80,431	83,396	89,888	86,438
Bessemer and low-phosphorus.....	8,570	8,426	7,699	3,791	2,936	1,606	1,402	1,593
Foundry (incl. ferrosilicon) ¹	3,067	3,646	3,658	2,152	2,303	2,081	2,430	2,267
Malleable.....	2,350	3,181	3,631	2,673	2,806	1,804	1,456	1,415
Ferromanganese and spiegel-eisen	706	777	955	878	1,009	901	868	796
All other ¹	360	490	1,035	811	1,433	1,574	1,086	971
Materials used: ²								
Iron and manganese ore ³	91,276	112,156	127,753	104,608	133,470	142,789	148,864	143,859
Mill cinder, scrap, scale, etc.....	9,749	10,731	15,210	9,034	11,272	8,206	9,372	8,659
Coke.....	48,965	59,549	67,061	49,772	57,880	55,378	59,521	57,597
Limestone, dolomite, etc.....	20,863	27,708	29,744	15,868	17,942	12,882	14,896	14,063
Production of pig iron:								
Alabama.....	3,582	4,347	4,924	3,541	4,290	4,378	4,394	4,654
Colorado, Utah, California.....	1,642	2,653	3,561	3,735	4,877	4,915	5,032	5,161
Illinois.....	5,045	6,024	6,489	5,307	6,294	6,205	7,129	7,401
Indiana.....	5,982	7,018	8,717	8,404	11,020	12,475	12,663	13,348
Kentucky, Tennessee, Texas.....	808	1,460	1,713	7,987	10,875	10,765	12,067	11,434
Maryland, West Virginia.....	3,519	5,203	6,094	6,094	6,094	6,094	6,094	6,094
Michigan, Minnesota.....	1,921	2,830	4,002	4,981	7,533	7,317	7,635	7,540
New York ⁴	3,295	4,302	5,144	4,205	6,100	5,910	6,365	5,569
Ohio.....	11,259	12,510	15,370	11,788	15,407	15,798	16,906	15,554
Pennsylvania.....	16,171	18,240	20,844	16,533	21,789	21,017	22,328	20,768

¹ Prior to 1965, silvery pig iron included in "Foundry"; thereafter, in "All other."

² Materials consumed in manufacture of pig iron only. ³ Includes agglomerated products.

⁴ Includes Massachusetts through 1955.

Source: American Iron and Steel Institute, Washington, D.C.; *Annual Statistical Report*. (Copyright.)

No. 1071. GOLD AND SILVER—SUMMARY: 1950 TO 1970

[See *Historical Statistics, Colonial Times to 1957*, series M 246-247, for mine production]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Mine production:								
Gold.....1,000 fine ounces..	2,394	1,880	1,667	1,705	1,584	1,478	1,733	1,788
Silver.....1,000 fine ounces..	42,459	37,198	30,760	39,806	32,345	32,729	41,906	44,087
Value of production:								
Gold.....mil. dol..	84	66	58	60	55	58	72	65
Silver.....mil. dol..	38	34	28	51	50	70	75	75
Ore (dry and siliceous) produced:¹								
Gold ore.....1,000 short tons..	3,584	2,234	2,267	3,113	3,076	2,780	3,303	(NA)
Gold-silver ore.....1,000 short tons..	493	120	347	206	167	199	208	(NA)
Silver ore.....1,000 short tons..	627	570	641	902	904	701	755	(NA)
Net industrial consumption:								
Gold.....mil. dol..	98	46	105	185	220	269	205	215
Silver.....1,000 fine ounces..	110,000	101,400	102,000	137,000	171,032	145,293	141,646	129,922
Imports:²								
Gold.....mil. dol..	163	104	335	102	33	226	237	242
Silver.....mil. dol..	79	71	54	63	77	138	119	58
Exports:²								
Gold.....mil. dol..	514	7	2	1,285	1,005	839	12	30
Silver.....mil. dol..	4	4	27	51	96	247	167	31
Price, average per fine ounce:³								
Gold.....dollars..	35.00	35.00	35.00	35.00	35.00	39.26	41.51	36.39
Silver.....dollars..	.905+	.905+	.905+	1.293	1.550	2.144	1.790	1.770
World production (estimate):								
Gold.....1,000 fine ounces..	32,700	36,300	38,200	46,200	45,700	46,200	46,400	40,570
Silver.....1,000 fine ounces..	208,300	224,000	241,300	257,400	258,200	275,100	288,600	300,000

NA Not available. ¹ Gold and silver are also produced from base-metal ores and placers. In 1969, dry and siliceous ores accounted for 60 percent of gold produced and 36 percent of silver. ² Excludes coinage.

³ Treasury buying price, except New York price, for silver, beginning 1965.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1072. GOLD AND SILVER—PRODUCTION, BY STATES: 1940 TO 1969

[In thousands of fine troy ounces. Based on arrivals at U.S. mints and assay offices and private refineries]

STATE	GOLD					SILVER				
	1940	1950	1960	1965	1969	1940	1950	1960	1965	1969
Total.....	4,863	2,289	1,680	1,676	1,717	68,287	42,309	36,800	39,000	39,675
Alaska.....	757	276	173	43	19	173	50	27	7	2
Arizona.....	299	111	158	154	115	8,130	5,089	5,338	6,100	6,250
California.....	1,444	410	125	61	7	2,225	1,000	188	177	450
Colorado.....	309	124	68	39	26	9,378	3,343	2,070	2,003	2,350
Idaho.....	145	69	6	5	3	17,477	15,993	17,814	18,100	18,250
Michigan.....	-	-	-	-	-	90	(?)	6	1	884
Missouri.....	-	-	-	-	-	145	233	81	80	793
Montana.....	273	57	46	26	20	12,152	7,178	3,970	5,100	3,000
Nevada.....	380	170	66	205	453	5,102	1,634	703	350	846
New Mexico.....	39	7	5	10	10	1,576	365	315	283	456
Oregon.....	114	10	1	(?)	(?)	192	12	(?)	4	4
South Dakota.....	587	572	551	556	593	171	143	109	131	125
Tennessee.....	(?)	(?)	(?)	(?)	(?)	39	26	123	138	79
Texas.....	(?)	(?)	-	-	(?)	1,205	4	-	3	(?)
Utah.....	352	392	314	389	425	11,686	6,709	5,132	5,241	5,800
Washington.....	84	89	163	88	45	389	358	606	355	243
Other States.....	19	2	3	-	-	66	82	229	84	43

- Represents zero. Z Less than 500 ounces.

¹ Includes an accumulation of silver recovered from lake copper (i.e., copper from underground mines located in the Great Lakes region); actual years of mine production unknown.

Source: Dept. of the Treasury, Bureau of the Mint; *Annual Report of the Director*.

No. 1073. MOLYBDENUM CONCENTRATES—SUMMARY: 1950 TO 1970

[In thousands of pounds of contained molybdenum, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 217-218]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 ¹
Production.....	28,480	61,781	68,237	77,372	90,097	93,447	99,807	109,707
Shipments from mines.....	44,544	64,709	69,941	77,310	81,595	103,245	103,000	110,460
Average price per pound ².....dollars..	1.05	1.25	1.25	1.55	1.62	1.62	1.72	1.72
Exports ³	6,235	14,580	30,244	24,006	30,000	29,000	57,584	56,737
Imports.....	-	34	-	142	1,179	1	(?)	-
.....	-	90	44,784	68,112	58,967	75,647	73,275	76,101
.....	-	30	3,481	4,208	9,019	12,208	8,398	9,716
.....	-	00	89,100	98,581	126,273	126,735	142,802	160,725

- Represents zero. Z Less than 500 pounds. ¹ Preliminary.

² Per pound of molybdenum contained. Source: *Engineering and Mining Journal*.

³ Includes roasted concentrates. ⁴ At mines and at plants making molybdenum products. ⁵ Free world.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*, except as noted.

No. 1074. LEAD—SUMMARY: 1950 TO 1970

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1957*, series M 232-233]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Smelted and refined lead ¹	508	479	382	418	380	467	639	669
Pigs, bars, and old.....	419	321	229	305	259	349	514	578
From secondary sources.....	90	158	154	113	121	118	125	91
Recovery of secondary lead.....	482	502	470	576	554	551	604	590
Imports, general:								
Lead in pigs, bars, and old.....	462	285	214	227	374	345	285	251
Lead in base bullion.....	3	-	(Z)	1	1	(Z)	2	(Z)
Lead in ores and matte.....	77	177	146	123	124	88	109	112
Exports of refined pig lead ²	3	(Z)	2	8	7	8	5	8
Consumption of metal, primary and secondary.....	1,238	1,213	1,021	1,241	1,261	1,329	1,389	1,355
Average price, common lead:								
New York.....cents per pound.....	13.30	15.14	11.95	16.00	14.00	13.21	14.93	15.62
London.....cents per pound.....	13.29	12.19	9.04	14.37	10.28	10.88	13.09	13.80
Mine production of recoverable lead ³ :								
Value ⁴.....\$1,000.....	(NA)	100,731	57,722	93,959	88,741	94,903	151,635	180,567
Colorado.....	27	16	18	22	22	20	22	20
Idaho.....	100	64	43	67	61	55	66	60
Missouri.....	135	125	112	134	153	213	355	433
Utah.....	45	50	39	38	54	45	41	44
World smelter production (estimate).....	1,850	2,250	2,550	2,911	3,182	3,331	3,671	3,740

- Represents zero.

NA Not available. Z Less than 500 tons.

¹ Excludes lead content of antimonial lead.

² Pigs, bars, and anodes.

³ Includes Alaska, except for 1967.

No. 1075. NICKEL—SUMMARY: 1950 TO 1970

[Quantities in short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1957*, series M 221-224]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Mine production.....	-	4,411	14,079	16,188	15,287	17,294	17,056	18,000
Plant production: Primary.....	913	3,807	14,303	13,510	14,615	15,154	15,616	13,000
Secondary.....	8,795	11,540	9,431	19,407	20,781	14,061	18,776	19,000
Imports for consumption (estimated nickel content).....	91,347	142,000	103,000	163,000	143,000	147,950	129,332	130,000
Exports (gross weight).....	3,645	20,601	54,109	20,935	31,537	33,681	34,768	31,456
Consumption.....	96,989	110,100	108,150	172,084	173,798	159,306	141,737	155,618
Stocks (consumer), Dec. 31.....	5,907	9,001	11,869	14,047	31,007	27,496	16,690	10,933
Price per pound ¹.....cents.....	40-50.5	64.5	74	79-77.75	85.25-94	94-103	103-128	128-135
World production (estimate).....	182,000	263,000	353,000	468,346	494,835	548,496	530,495	600,000

- Represents zero.

¹ Price quoted U.S. buyers by International Nickel Co. Inc., for electrolytic nickel, U.S. duty included f.o.b. Port Colborne, Ontario.

No. 1076. TIN—SUMMARY: 1950 TO 1970

[Quantities in long tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Production:								
Domestic smelters.....	33,118	22,329	(D)	3,098	3,048	3,453	345	(D)
Secondary sources.....	31,680	28,340	22,050	25,076	22,667	22,495	22,775	20,000
Imports for consumption:								
Metal.....	82,838	64,815	39,538	40,816	50,223	57,358	54,950	50,554
Ore (tin content).....	25,960	20,112	14,026	4,236	3,255	2,439	-	4,667
Exports (domestic and foreign).....	799	1,107	857	2,829	2,479	4,495	2,903	5,962
Monthly price of Straits tin at New York, average cents per pound.....	95.56	94.73	101.40	178.17	153.41	148.11	164.44	174.14
Consumption.....	104,464	90,483	80,560	83,966	80,638	81,961	80,700	73,215
World mine production (estimate).....	1169,300	197,200	180,400	201,115	214,238	227,935	223,609	228,000

- Represents zero. D Withheld to avoid disclosure of individual company data.

¹ Excludes production of U.S.S.R.

Source of tables 1074-1076: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1077. TUNGSTEN—SUMMARY: 1950 TO 1970

[Excludes Hawaii and, from 1955, Alaska. See also *Historical Statistics, Colonial Times to 1957*, series M 215-216]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Production:								
Concentrates, 60% WO ₃ basis..sh. tons..	4, 166	16, 636	7, 007	(D)	9, 719	8, 823	7, 816	9, 000
Tungsten content.....1,000 lb.....	3, 965	15, 833	6, 669	(D)	8, 167	8, 397	7, 439	8, 600
Shipments from mines:								
Concentrates, 60% WO ₃ basis..sh. tons..	4, 820	16, 412	7, 325	7, 940	9, 088	10, 704	9, 883	9, 900
Tungsten content.....1,000 lb.....	4, 588	15, 619	6, 972	7, 566	8, 649	10, 188	9, 405	10, 000
Reported value f.o.b. mines.....\$1,000..	8, 171	60, 841	9, 815	13, 028	20, 805	25, 197	24, 625	29, 000
Average per pound of tungsten..dollars..	1. 78	3. 90	1. 40	1. 72	2. 42	2. 47	2. 62	2. 90
Imports (tungsten content):								
General.....1,000 lb.....	8, 342	20, 789	5, 178	3, 495	2, 004	1, 824	1, 534	1, 300
For consumption.....1,000 lb.....	16, 147	20, 700	3, 525	3, 618	1, 699	1, 743	1, 503	1, 284
Consumption (tungsten content).....1,000 lb..	6, 597	8, 967	11, 605	13, 868	13, 860	11, 038	13, 053	16, 700
Stocks (tungsten content) ¹.....1,000 lb.....	5, 337	4, 025	5, 545	1, 845	2, 109	1, 177	1, 569	1, 884
World production (tungsten content) (estimate).....1,000 lb.....	40, 258	78, 327	68, 714	60, 146	62, 725 ²	70, 425	72, 060	72, 000

D Withheld to avoid disclosure of individual company data. ¹ Producers and consumers, end of year.

No. 1078. URANIUM—SUMMARY: 1960 TO 1970

[In short tons, except as indicated]

ITEM	1960	1965	1966	1967	1968	1969	1970 (prel.)
Mine ore shipments.....1,000..	7, 970	4, 386	4, 353	5, 276	6, 447	5, 894	6, 370
Value.....\$1,000.....	152, 188	84, 154	77, 524	80, 450	93, 496	94, 240	102, 000
Recoverable content (U ₃ O ₈).....1,000 lb.....	(NA)	19, 727	19, 037	20, 663	24, 140	23, 747	25, 500
Value.....\$1,000.....	(NA)	157, 828	152, 281	165, 239	182, 697	142, 160	154, 500
Production, concentrate (U ₃ O ₈):							
Atomic Energy Commission procurement..	(NA)	10, 442	9, 487	8, 425	7, 338	6, 184	2, 500
Cost.....\$1,000.....	(NA)	(NA)	(NA)	(NA)	117, 028	72, 336	28, 900
Private industry sales.....	(NA)	(NA)	100	700	5, 000	4, 750	9, 300
Imports for consumption concentrate (U ₃ O ₈)..	15, 770	2, 986	2, 123	1, 309	5, 470	1, 604	684
Value.....\$1,000.....	(NA)	58, 103	41, 286	12, 593	5, 000	14, 601	7, 789
World production ².....(U ₃ O ₈).....	41, 130	20, 589	19, 620	19, 098	22, 772	21, 282	22, 000

NA Not available. ¹ Estimated. ² Free world.

No. 1079. ZINC—PRODUCTION AND PRICES: 1950 TO 1970

[Quantities in thousands of short tons. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1957*, series M 239-240, for production]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Smelter production of primary slab zinc ¹	843	964	800	994	939	1, 021	1, 041	961
Value.....\$1,000.....	240, 061	236, 829	205, 476	290, 763	262, 121	275, 670	304, 895	294, 450
Source:								
From domestic ores.....	588	523	334	551	439	499	459	455
From foreign ores.....	255	381	465	443	500	521	582	505
Production of redistilled secondary slab zinc.....	67	66	69	84	74	80	71	74
Average price of common zinc at East St. Louis.....cents per lb.....	13. 88	12. 30	12. 95	14. 50	13. 85	13. 50	14. 65	15. 32
Mine production of recoverable zinc..	623	515	435	611	549	529	553	547
Colorado.....	46	35	31	54	52	50	54	52
Idaho.....	88	53	37	58	57	57	50	40
New Jersey.....	55	12	-	38	26	26	25	29
New York.....	38	53	66	70	71	65	59	58
Pennsylvania.....	-	-	14	28	35	30	33	23
Tennessee.....	35	40	91	122	113	124	125	120
Utah.....	32	44	35	28	34	33	35	37
Wisconsin.....	6	18	18	27	29	26	23	20
Other States.....	323	260	143	186	132	117	144	162
World smelter production (estimate).....	2, 170	2, 930	3, 335	4, 751	4, 548	5, 053	5, 520	5, 450

- Represents zero.

¹ Beginning 1960, includes production of zinc used directly in alloying operations.Source of tables 1077-1079: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 1080. BAUXITE—SUMMARY: 1950 TO 1970

[Quantities in thousands of long tons; values in thousands of dollars. Excludes Alaska and Hawaii prior to 1960, except imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See *Historical Statistics, Colonial Times to 1967*, series M 249, for production]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Production:								
Crude ore.....	1,585	2,139	2,409	1,990	2,051	2,071	2,233	2,460
Dried-bauxite equivalent.....	1,335	1,788	1,998	1,654	1,654	1,665	1,843	2,029
Value.....	7,693	14,543	21,107	18,632	19,079	23,752	25,725	(NA)
Shipments:¹								
Gross weight (as shipped).....	1,462	2,012	1,925	2,065	2,107	2,036	2,116	(NA)
Dried-bauxite equivalent.....	1,337	1,727	1,654	1,785	1,826	1,749	1,844	(NA)
Value.....	9,549	15,559	19,550	21,085	22,570	26,247	27,628	(NA)
Imports for consumption ² (crude and dried).....	2,516	4,882	8,739	11,199	11,504	10,976	12,180	12,620
Value.....	15,730	63,656	78,024	142,989	151,418	140,228	165,802	156,392
Exports (as shipped).....	45	14	29	147	2	7	6	3
Value.....	1,156	528	2,588	10,736	218	360	456	245
World production (estimate).....	8,050	17,500	27,205	36,849	43,839	45,221	51,528	(NA)

NA Not available. ¹ For processing plants to consumers.
² Beginning 1965, import equivalent for Jamaican, Haitian, and Dominican Republic bauxite. Other imports on

No. 1081. ALUMINUM—SUMMARY: 1950 TO 1970

[Quantities in thousands of long tons; values in thousands of dollars. Excludes Alaska and Hawaii prior to 1960, and Puerto Rico for all years. See also *Historical Sta-*

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Total production.....	962	1,902	2,344	3,395	3,967	4,072	4,651	4,711
Value.....	316	831	1,201	1,651	1,972	2,058	2,480	2,617
Primary aluminum:								
Production.....	719	1,566	2,014	2,754	3,269	3,255	3,793	3,976
Value.....	236	684	1,030	1,338	1,614	1,640	2,013	2,191
Price.....cents per pound ²	17.7	23.7	26.0	24.5	25.0	25.6	27.2	29.0
Secondary aluminum:								
Production (recovered) ³	244	336	329	641	698	817	1,858	735
From old scrap.....	76	75	63	160	129	155	1,140	137
From new scrap.....	167	260	267	481	569	662	1,718	598
Value ⁴	80	147	171	313	358	418	1,467	426
Imports for consumption ⁵	256	239	196	620	539	793	558	465
Value ⁴	68	105	103	266	246	358	208	231
Exports ⁶	23	34	384	315	366	351	575	611
Value ⁴	18	20	174	170	207	196	324	360
Total apparent consumption.....	1,200	2,111	2,016	3,734	4,009	4,663	4,668	4,470
World production (estimate).....	1,640	3,460	4,050	6,951	8,343	8,875	10,019	(NA)

NA Not available. ¹ For source: American Metal Market.
² For content.
³ Base on content.
⁴ Crude and secondary (including metal and alloys, plates, bars, etc., and scrap).
⁵ 1950 not comparable with later years.
⁶ or as quoted by the *Engineering and Mining Journal*.

No. 1082. MAGNESIUM—SUMMARY: 1950 TO 1970

[In thousands of short tons, except as indicated. Excludes Alaska and Hawaii prior to 1960, except that imports and exports include Alaska, Hawaii, and Puerto Rico for all years. See *Historical Statistics, Colonial Times to 1967*, series M 256-258, for production]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Production:								
Primary magnesium, ingot equivalent.....	15.7	61.1	40.1	81.4	97.4	98.4	99.9	112.0
Secondary magnesium, ingot equivalent.....	9.5	10.2	10.3	13.6	13.4	15.5	13.0	15.0
Average price per pound, primary (quoted).....cents..	22.0	29.5	35.25	35.25	35.25	35.25	35.25	35.25
Exports.....	0.9	8.2	4.5	17.8	12.0	18.4	26.0	34.2
Imports, metallic and scrap ¹	0.8	1.8	0.4	2.6	9.2	4.1	3.5	2.3
Domestic consumption².....	18.1	46.5	37.1	60.6	90.8	86.4	95.1	100.0
World primary production (estimate).....	50.0	132.0	102.5	178.3	208.6	212.7	221.6	230.0

¹ Represents imports for consumption. ² Primary only.

Source of tables 1080-1082: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*.

Section 27

Construction and Housing

This section presents data on the construction industries and on various measures of construction activity and costs; housing units, values, facilities, and structural characteristics; residential financing; and urban renewal.

The principal source of these data is the Bureau of the Census, which issues the monthly *Construction Reports* series (see below); the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies* and the irregularly-issued *Housing Characteristics*; and various reports of the censuses of housing and of construction industries. It also provides many of the data published by the Bureau of Domestic Commerce in the monthly *Construction Review*, which brings together the major construction statistics series compiled by the Federal Government and also some series from private agencies. Other sources include the monthly *Dodge Construction Contract Statistics Services* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y., which presents State data on construction contracts; and the *Statistical Yearbook* of the Department of Housing and Urban Development.

Construction.—The first three censuses of the construction industry were taken for 1929, 1935, and 1939 as part of the censuses of business. The next census of the construction industry was taken for 1967 as a part of the 1967 economic censuses.

The 1967 Census of Construction Industries covered construction establishments as defined in the *Standard Industrial Classification Manual* issued by the Office of Management and Budget. A construction establishment was defined as a relatively permanent place of business where the usual business activities related to construction were conducted. Reports were required from all establishments with a payroll equivalent of 10 or more employees and all establishments operated by multi-establishment companies. Data for single unit companies with a payroll equivalent of less than 10 employees were estimated on the basis of a probability sample survey. In addition, limited data for more than 400,000 construction establishments without payroll were developed from Government administrative records. For information on published reports, see "1967 Census of Business" in Appendix III of this book.

Current construction statistics compiled by the Bureau of the Census appear in the *Construction Reports* series. Monthly statistics supplemented by additional quarterly or annual data are published in reports with the following subtitles: *Housing Starts* and *Housing Completions*, presenting data, respectively, on the start and completion of construction by type of unit; *Sales of New One-Family Homes*, which includes data also on homes available for sale; *Value of New Construction Put in Place*, which also includes monthly composite construction cost indexes and an annual price index for new one-family homes sold; and *Housing Authorized by Building Permits and Public Contracts*, which covers approximately 13,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly in *Expenditures on Residential Additions, Alterations, Maintenance and Repairs, and Replacements* and annually in *Residential Alterations and Repairs*. Historical data on housing starts and building permits appear in *Housing Construction Statistics, 1899 to 1964*.

Housing.—From 1850 through 1930, the Bureau of the Census collected some housing data in conjunction with censuses of population and agriculture. Beginning in 1940, censuses of housing have been taken at 10-year intervals. For the 1970 census, data are presented on occupancy and structural characteristics, plumbing facilities, value, and rent. The 1970 data on housing characteristics are limited to year round housing units.

Results of evaluation studies of the 1970 census were not available in time for

inclusion in this book. Estimates based on evaluation studies of the 1950 and 1960 censuses indicate a net undercount of about 2.3 percent for occupied housing units in 1950 and about 2.0 percent in 1960. The estimates for 1950 and 1960 are not strictly comparable due to differences in timing, procedures, and other factors. The data have not been adjusted to reflect the estimated undercount.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters, that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

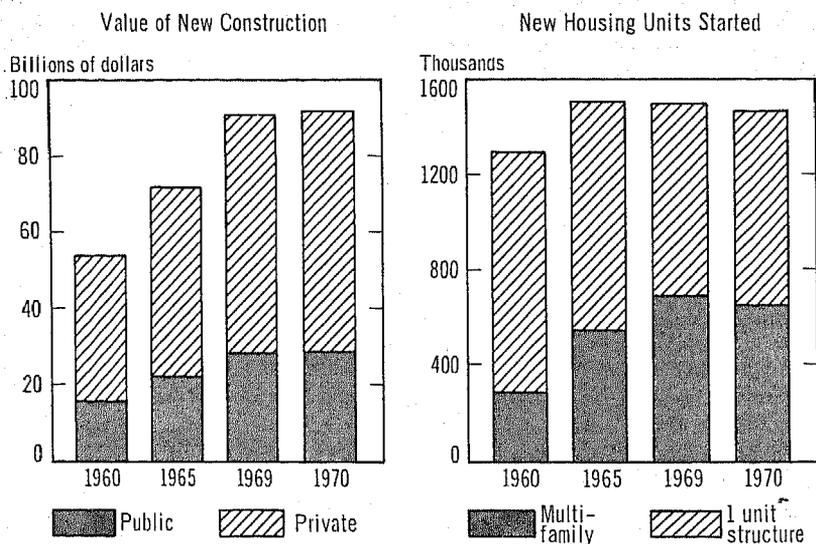
Residential financing.—The Bureau of the Census began collection of detailed statistics on residential mortgages in 1890. In the 1920 and 1940 censuses, mortgage questions were asked of owners who occupied their own homes. In 1950, the census included a separate survey covering nonfarm residential mortgaged properties, both owner and renter. As part of the 1956 National Housing Inventory, data were collected on the financing of owner-occupied nonfarm properties. In 1960, the Residential Finance Survey covered financing of both homeowner and rental properties and characteristics of nonmortgaged as well as mortgaged properties. 1970 data on residential financing are expected to become available in early 1972.

Data on home mortgages and foreclosures, based largely on reports from major holders, are provided by the Federal Home Loan Bank Board. The Housing Production and Mortgage Credit—FHA and the Veterans Administration compile data from their records on various aspects of home financing.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XLIII. NEW CONSTRUCTION—VALUE AND UNITS STARTED: 1960 TO 1970

(See tables 1099 and 1100)



No. 1083. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1950 TO 1970

† Values in dollars, except percent. Prior to 1960, excludes Alaska and Hawaii. Represents value of construction including permit and construction contract data in timing and coverage, service equipment and selected types of industrial production equipment (shipbuilding, land, and most types of machinery and equipment. For details, see Bureau of the Census, *Construction Reports* C30-61 (Supplement), *Statistical Abstract of the United States: 1967*, series N 1-28]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970
Total	33,575	46,519	53,941	72,319	76,160	84,690	90,866	91,266
Private	26,709	34,804	38,078	50,253	50,587	56,996	62,806	63,079
Percent of total.....	79.6	74.8	70.6	69.5	66.4	67.3	69.1	69.1
Residential buildings (nonfarm).....	18,126	21,877	21,706	20,268	23,736	28,823	30,603	29,273
New housing units.....	16,551	18,242	10,410	20,351	17,885	22,423	23,689	21,014
Additions and alterations.....	2,400	3,296	(NA)	4,431	(NA)	5,017	5,453	5,940
Nonthousekeeping.....	175	339	865	1,486	1,266	1,383	1,461	1,419
Nonresidential buildings ²	3,004	7,611	10,149	16,592	18,106	18,800	22,033	22,292
Industrial.....	1,062	2,399	2,851	5,118	6,131	5,594	6,373	5,930
Commercial ³	1,415	3,218	4,180	6,739	6,982	8,333	10,136	10,521
Religious.....	400	734	1,013	1,207	1,093	1,088	949	921
Educational.....	204	492	566	735	1,032	984	906	745
Hospital and institutional.....	344	351	605	1,400	1,372	1,566	2,252	2,591
Other nonresidential buildings.....	380	417	934	1,393	1,496	1,285	1,417	1,584
Farm construction.....	1,522	1,385	1,321	1,189	1,324	(NA)	(NA)	(NA)
Operator dwellings.....	642	532	500	445	498	(NA)	(NA)	(NA)
Other farm construction.....	880	853	821	744	826	(NA)	(NA)	(NA)
Public utilities.....	3,045	3,770	4,621	5,788	(NA)	(NA)	(NA)	(NA)
Telephone and telegraph.....	440	805	1,088	1,463	1,038	1,704	2,172	2,952
Other public utilities.....	2,605	2,965	3,533	4,325	(NA)	(NA)	(NA)	(NA)
Railroads.....	269	321	270	310	(NA)	(NA)	(NA)	(NA)
Electric light and power ⁴	1,240	1,572	2,026	2,589	(NA)	(NA)	(NA)	(NA)
Gas.....	859	922	1,105	1,304	(NA)	(NA)	(NA)	(NA)
Petroleum pipelines.....	237	150	132	122	(NA)	(NA)	(NA)	(NA)
All other private.....	112	161	281	416	454	573	741	940
Public ⁵	6,866	11,715	15,863	22,066	25,573	27,694	28,060	28,187
Percent of total.....	20.4	25.2	29.4	30.5	33.6	32.7	30.9	30.9
Buildings ⁷	2,732	4,462	5,511	7,875	9,074	10,445	11,226	10,657
Housing and redevelopment.....	345	266	716	601	706	746	1,047	1,105
Industrial.....	224	721	407	308	406	517	512	406
Educational.....	1,133	2,442	2,818	4,284	5,087	6,061	5,868	5,617
Hospital.....	499	300	401	519	634	694	804	839
Other public buildings.....	531	733	1,109	2,103	2,241	2,427	2,995	2,600
Highways and streets.....	2,134	3,852	5,437	7,550	8,538	9,295	9,276	9,089
Military facilities.....	177	1,287	1,366	852	721	824	945	791
Conservation and development.....	942	701	1,175	2,019	2,196	2,046	1,796	1,010
Other public construction.....	881	1,413	2,374	3,770	4,144	5,054	4,817	4,831
Sewer systems.....	383	616	882	1,195	1,068	1,161	1,344	1,644
Water supply facilities.....	276	470	605	1,260	1,270	1,514	1,336	1,084
Miscellaneous public construction.....	222	328	887	1,369	1,816	2,019	2,137	2,193
Ownership:								
Federally owned	1,624	2,769	3,622	4,018	3,512	3,456	3,409	3,381
Buildings ⁷	514	804	1,024	1,442	983	942	999	902
Military facilities ⁸	177	1,287	1,366	852	721	824	945	791
Conservation and development.....	881	593	1,005	1,506	1,569	1,436	1,203	1,378
Misc. (incl. hwy. and streets).....	52	80	227	218	239	254	262	310
State and locally owned ⁶	5,242	8,946	12,241	18,048	22,061	24,238	24,651	24,806
Buildings ⁷	2,218	3,658	4,424	6,433	8,091	9,503	10,227	8,755
Highways and streets.....	2,089	3,782	5,301	7,381	8,347	9,088	9,039	9,728
Conservation and development.....	61	103	170	513	627	610	593	541
Other.....	874	1,403	2,283	3,721	4,006	5,037	4,792	4,782

NA Not available. ¹ Includes estimates for data not available separately.
² Beginning 1965, new series, essentially comparable in level with old series. See *Construction Reports* C30-66S.
³ Excludes building by privately owned public utilities. ⁴ Includes construction with REA funds.
⁵ Includes local transit. ⁶ Beginning 1965, new series for State and local component. New and old series essentially comparable in level for total but not for components. See *Construction Reports* C30-66S.
⁷ Prior to 1965, excludes military building hospitals included with federally owned hospitals. ⁸ Beginning 1965, new series. 1960 and earlier years, military facilities.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C30.

No. 1084. VALUE OF NEW CONSTRUCTION IN 1957-59 PRICES, AND INDEX OF PHYSICAL VOLUME: 1950 TO 1970

[In millions of dollars, except as indicated.] Prior to 1960, excludes Alaska and Hawaii. For description and computation of the various indexes used in the derivation of constant values, see source. Represents value of construction put in place. For 1946 to 1961 see Department of Commerce, Bureau of the Census, *Construction Reports*, Series C30-61 (Supplement). For 1915 to 1945, see *Historical Statistics, Colonial Times to 1957*, series N-29-54]

TYPE OF CONSTRUCTION	1950	1955	1960	1965	1967	1968	1969	1970
New construction.....	43,576	51,717	52,171	62,896	61,144	64,432	64,170	60,170
Index of physical volume (1957-59=100).....	85	101	101	122	119	125	125	117
Private.....	34,309	38,394	36,518	43,780	40,967	43,775	44,912	42,317
Percent of total.....	78.7	74.2	70.0	69.6	67.0	67.9	70.0	70.3
Residential buildings (nonfarm).....	22,447	23,649	20,824	23,082	19,413	22,369	22,365	20,509
New housing units.....	19,257	19,722	15,747	17,832	14,623	17,399	17,311	15,345
Additions and alterations.....	2,975	3,562	(1)	3,893	(1)	3,894	3,986	4,167
Nonhousekeeping.....	215	365	828	1,307	1,036	1,070	1,068	997
Nonresidential buildings ²	5,321	8,668	9,690	13,959	14,197	13,837	14,874	13,749
Industrial.....	1,447	2,807	2,803	4,541	5,131	4,427	4,590	3,895
Commercial ³	1,930	3,623	3,943	5,491	5,812	5,981	6,092	6,332
Religious.....	558	823	958	1,001	821	729	619	556
Educational.....	399	553	535	609	776	692	591	448
Hospital and institutional.....	470	395	569	1,162	1,032	1,099	1,451	1,562
Other nonresidential buildings.....	517	467	882	1,155	1,125	909	921	956
Farm construction.....	1,909	1,511	1,270	1,116	1,144	(1)	(1)	(1)
Operator dwellings.....	785	573	480	414	418	(1)	(1)	(1)
Other farm construction.....	1,124	938	790	702	726	(1)	(1)	(1)
Public utilities.....	4,470	4,384	4,474	5,294	(1)	(1)	(1)	(1)
Telephone and telegraph.....	574	865	1,059	1,353	1,341	1,367	1,579	2,038
Other public utilities.....	3,896	3,519	3,415	3,941	(1)	(1)	(1)	(1)
Railroads.....	363	366	261	302	(1)	(1)	(1)	(1)
Electric light and power ⁴	1,879	1,866	1,980	2,408	(1)	(1)	(1)	(1)
Gas.....	1,308	1,110	1,047	1,117	(1)	(1)	(1)	(1)
Petroleum pipelines ⁵	346	177	127	114	(1)	(1)	(1)	(1)
All other private.....	162	182	260	329	331	393	404	539
Public ⁶	9,267	13,323	15,653	19,116	20,177	20,657	19,258	17,853
Percent of total.....	21.3	25.8	30.0	30.4	33.0	32.1	30.0	29.7
Buildings ⁷	3,682	5,039	5,237	6,581	7,588	7,462	7,408	6,520
Housing and redevelopment.....	430	288	636	527	581	581	765	770
Industrial.....	304	848	402	324	340	410	366	325
Educational.....	1,543	2,742	2,664	3,554	4,504	4,272	3,799	3,351
Hospital.....	682	338	380	434	477	489	522	504
Other public buildings.....	723	823	1,105	1,742	1,686	1,710	1,950	1,564
Highways and streets.....	2,722	4,396	5,758	7,108	7,269	7,565	6,886	6,736
Military facilities.....	234	1,467	1,336	733	573	623	663	501
Conservation and development.....	1,351	799	1,089	1,605	1,611	1,406	1,134	1,102
Other public construction.....	1,278	1,622	2,233	3,089	3,136	3,601	3,167	2,994
Sewer systems.....	550	702	817	951	778	1,065	849	902
Water supply facilities.....	397	536	563	1,005	931	1,043	846	633
Miscellaneous public construction.....	331	384	853	1,133	1,427	1,493	1,472	1,469

¹ Not available; estimate included in totals.

² Beginning 1965, new series, essentially comparable in level with old series. See *Construction Reports*, Series C30-66S.

³ Excludes building by privately owned public utilities.

⁴ Includes construction with REA funds.

⁵ Through 1955, includes local transit.

⁶ Beginning 1965, includes new series for State and local component of public construction. New and old series essentially comparable in level for total but not for most individual categories. See *Construction Reports*, Series C30-66S.

⁷ Prior to 1965, excludes military buildings.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C30.

Value of Construction—Building Permits

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 No. 1085. VALUE OF NEW CONSTRUCTION PUT IN PLACE, BY TYPE: 1969 TO 1971
 [In millions of dollars]

TYPE OF CONSTRUCTION	1969				1970				1971. Jan.- Mar.
	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.	
New construction	18,594	23,649	25,595	23,028	18,500	23,037	25,398	24,331	20,619
Private ¹	12,776	16,034	17,606	16,390	12,997	15,360	17,131	17,091	14,500
Residential buildings (non- farm).....	6,268	8,312	8,617	7,406	5,712	7,374	8,078	8,109	7,038
New housing units.....	5,014	6,235	6,577	5,863	4,249	5,255	6,158	6,252	5,575
Nonhousekeeping.....	346	334	388	393	337	362	366	354	292
Additions and alterations.....	908	1,743	1,662	1,150	1,126	1,757	1,554	1,603	1,166
Nonresidential buildings ¹	4,491	5,196	6,159	6,187	5,019	5,663	5,891	5,719	4,917
Industrial.....	1,366	1,500	1,741	1,757	1,311	1,520	1,593	1,506	1,195
Commercial.....	2,010	2,353	2,877	2,896	2,354	2,650	2,760	2,752	2,422
Religious.....	208	237	262	242	201	233	251	236	174
Educational.....	205	230	287	214	174	198	187	186	165
Hospital and institutional.....	440	522	625	665	604	652	677	658	596
Telephone and telegraph.....	422	522	580	645	547	740	817	848	661
All other private.....	104	109	258	210	178	192	258	318	277
Public ²	5,818	7,615	7,989	6,638	5,503	7,177	8,267	7,240	6,119
Buildings.....	2,614	3,137	2,908	2,589	2,435	2,717	2,803	2,702	2,533
Housing and redevelopment.....	297	256	237	257	271	275	266	293	278
Industrial.....	121	161	111	119	112	140	113	131	123
Educational.....	1,311	1,697	1,525	1,335	1,262	1,396	1,537	1,422	1,215
Hospital.....	176	193	224	212	214	210	204	211	233
Other public buildings.....	710	830	809	646	576	696	683	645	684
Misc. public construction.....	1,491	2,434	3,037	2,914	1,564	2,567	3,339	2,519	1,870
Sewer systems.....	202	261	245	237	168	203	208	212	182
Water supply facilities.....	393	477	468	458	365	470	543	541	444
Misc. public construction.....	1,118	1,306	1,333	1,090	971	1,220	1,374	1,266	1,089
Sewer systems.....	304	360	352	319	300	378	469	397	384
Water supply facilities.....	347	373	343	288	244	269	288	293	296
Misc. public construction.....	467	564	633	478	427	573	617	576	496

¹ Includes estimates for types of construction not shown separately. ² See footnote 6, table 1084.

 Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C30.

 No. 1086. VALUATION OF PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS:
 1960 TO 1970

[In millions of dollars. The "10,000, 12,000, and 13,000 place" series are based on a U.S. total of approximately 10,000, 12,000, and 13,000 places identified in 1959, 1962, and 1967, respectively, as having local building permit systems]

TYPE OF CONSTRUCTION	10,000 PLACE SERIES		12,000 PLACE SERIES		13,000 PLACE SERIES			
	1960	1963	1963	1967	1967	1968	1969	1970 (prel.)
Total	19,761	24,557	25,630	28,153	28,980	34,202	36,743	36,105
New housing units	11,327	14,606	15,213	14,508	15,004	18,319	18,600	18,898
In structures with—								
1 unit.....	9,427	10,088	10,658	10,512	10,965	12,406	11,605	11,460
2-4 units.....	491	952	970	647	667	818	886	884
5 units or more.....	1,409	3,565	3,585	3,350	3,383	5,095	6,108	6,454
New nonhousekeeping residential bldg.	270	370	386	443	521	697	830	771
New nonresidential buildings	5,982	7,045	7,455	10,224	10,459	11,989	13,742	12,713
Industrial buildings.....	1,138	1,455	1,740	2,487	2,556	2,669	3,199	2,316
Office buildings.....	1,039	1,281	1,297	1,737	1,755	2,465	2,647	2,701
Service stations and repair garages.....	115	169	175	245	287	295	263	2,247
Stores and other mercantile buildings.....	1,146	1,215	1,247	1,899	1,915	2,313	2,721	2,512
Religious buildings.....	548	601	524	566	584	579	493	423
Educational buildings.....	441	651	659	807	819	861	667	606
Hospitals and other institutional bldg.	340	719	730	937	944	1,155	1,357	1,611
Amusement buildings.....	195	169	174	205	210	226	278	301
Residential garages.....	202	224	234	204	211	224	232	242
All other nonresidential buildings.....	818	661	675	1,137	1,208	1,233	1,654	1,756
Additions and alterations	2,182	2,530	2,576	2,978	2,996	3,197	3,571	3,723

 Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Bureau of Domestic Commerce; *Construction Review*.

NO. 1087. FEDERAL OUTLAYS FOR PUBLIC WORKS: 1960 TO 1971

[In millions of dollars. For years ending June 30. Includes Federal outlays for U.S. Government-owned construction in the United States and abroad and for grants and loans in aid of construction by State and local governments]

TYPE OR FUNCTION	1960	1965	1966	1967	1968	1969	1970	1971 est.
Total Federal outlays	6,846	8,886	9,428	9,572	9,520	9,683	9,791	11,607
By type:								
Direct Federal construction.....	3,463	4,152	4,093	4,483	3,972	3,932	3,740	4,818
Grants.....	3,226	4,567	4,446	4,730	5,264	5,479	5,796	6,063
Net lending ¹	156	167	289	359	284	272	255	336
By function:								
Civil public works	5,011	7,521	7,742	7,836	8,000	7,923	8,237	10,010
International affairs and finance.....	28	11	13	27	17	12	13	13
Space research and technology.....	54	531	572	289	126	65	54	50
Agriculture and rural development.....	43	3	-3	35	53	44	42	55
Natural resources.....	1,131	1,609	1,020	1,991	2,012	1,857	1,800	2,606
Commerce and transportation.....	3,174	4,580	4,253	4,323	4,632	4,820	5,083	5,838
Community development and housing.....	20	59	35	80	110	147	160	229
Education and manpower.....	231	200	392	557	510	468	395	383
Health.....	81	111	171	164	232	196	256	255
Income security.....	9	(z)	2	1	1	8	6	9
Veterans benefits and services.....	60	84	87	62	54	66	84	94
General government.....	179	265	300	307	251	240	262	428
National defense public works	1,835	1,366	1,686	1,736	1,520	1,760	1,553	1,597
Military public works.....	1,618	1,156	1,506	1,601	1,343	1,509	1,289	1,314
Civil defense public works.....	(z)	3	4	5	10	7	5	6
Atomic energy facilities.....	218	206	176	130	167	243	259	277

¹ Less than \$500,000.

² Data through 1966 do not reflect repayments deposited to miscellaneous receipts; beginning 1967, such payments are netted against disbursements.

Source: Executive Office of the President, Office of Management and Budget; *The Budget of the United States Government, 1972*, Special Analysis Q, and similar analyses for prior years.

NO. 1088. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS: 1965 AND 1970

[In millions of dollars, except averages. Expenditures for one type of construction work done incidental to another type are included under latter type]

YEAR AND TYPE OF EXPENDITURE	All properties	1-unit properties with owner occupant	Other properties	CONSTRUCTION IMPROVEMENTS				Maintenance and repairs
				Additions and alterations			Major replacements	
				Total	Residential structure	Other property		
1965: All properties	11,442	7,033	4,409	4,736	3,769	967	1,707	4,999
Average per property.....	\$253	\$216	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Heating and central air conditioning.....	956	576	330	304	304	(NA)	438	214
Plumbing.....	1,218	566	650	183	183	(NA)	490	543
Roofing.....	690	414	276	(NA)	(NA)	(NA)	338	352
Painting.....	2,082	1,111	971	(NA)	(NA)	(NA)	(NA)	2,082
Not specified.....	6,499	4,366	2,133	4,240	3,282	967	441	1,808
1970: All properties	14,770	9,469	5,301	6,246	4,950	1,296	2,629	5,895
Average per property.....	\$297	\$265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Heating and central air conditioning.....	1,365	1,027	338	532	532	(NA)	548	236
Plumbing.....	1,376	704	672	337	337	(NA)	495	544
Roofing.....	1,019	691	328	(NA)	(NA)	(NA)	614	405
Painting.....	2,547	1,373	1,174	(NA)	(NA)	(NA)	(NA)	2,547
Not specified.....	8,468	5,673	2,700	5,378	4,082	1,296	972	2,113

NA Not available.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C60-69A and C60-70A.

No. 1089. SELECTED CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1967

[Employment in thousands; money figures in millions of dollars. Based on a probability sample of about 125,000 construction establishments with payroll. "N.e.c." means not elsewhere classified]

INDUSTRY	Estab-lish-ments with payroll (number)	EMPLOYEES (average)		PAYROLL		RECEIPTS		Value added ²
		Total	Con-struction workers	Total	Con-struction workers	Total	Net con-struction ¹	
Construction Industries, total.....	368,771	3,436	2,960	24,213	19,855	95,925	69,520	42,323
Contract construction.....	350,133	3,341	2,903	23,599	19,527	89,979	67,094	40,054
General building contractors.....	95,049	872	753	5,896	4,512	33,451	17,546	9,742
Heavy construction contractors.....	33,995	885	757	7,080	5,767	24,469	20,011	12,698
Highway and street construction.....	15,162	307	272	2,193	1,844	9,034	7,229	4,521
Heavy construction, n.e.c.....	18,833	578	485	4,887	3,914	15,435	12,782	8,177
Special trade contractors.....	221,089	1,585	1,393	10,923	9,258	32,059	29,537	18,515
Plumbing, heating, air conditioning.....	47,515	369	307	2,845	2,307	10,059	8,787	4,758
Painting, paper hanging, decorating.....	30,295	130	130	794	720	1,782	1,708	1,363
Electrical work.....	26,125	241	204	1,991	1,667	5,475	5,275	3,103
Masonry and other stonework.....	19,695	144	137	811	753	1,949	1,884	1,300
Plastering and lathing.....	5,084	48	45	319	290	728	676	492
Terrazzo, tile, marble, mosaic work.....	4,984	32	28	192	161	563	545	325
Carpentering.....	18,854	80	76	440	410	1,178	1,068	776
Floor laying and floor work, n.e.c.....	7,833	38	33	238	198	784	743	433
Roofing and sheet metalwork.....	15,755	133	115	839	685	2,421	2,288	1,415
Concrete work.....	11,238	83	77	491	440	1,426	1,343	836
Water well drilling.....	4,115	14	12	73	60	328	311	190
Structural steel erection.....	1,944	42	37	323	277	754	704	551
Glass and glazing work.....	1,770	12	9	89	64	299	270	162
Excavating and foundation work.....	8,625	52	46	339	295	1,127	1,022	815
Wrecking and demolition work.....	1,071	10	9	62	51	173	151	145
Installing building equipment, n.e.c.....	900	18	14	171	132	519	502	336
Other.....	14,386	130	112	907	749	2,495	2,278	1,515
Subdividers, developers, and opera-tive builders.....	18,638	95	57	614	328	5,946	2,426	³ 1,368
Subdividers and developers, n.e.c.....	5,401	23	9	149	53	1,177	207	³ 167
Operative builders.....	13,237	72	49	465	276	4,769	2,220	³ 1,211

¹ Construction receipts less payments for construction work subcontracted to others, now shown separately here. ² Total receipts less (a) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. ³ Also excludes land receipts.

Source: Dept. of Commerce, Bureau of the Census; *Census of Construction Industries, 1967*, Series CC 67-1-1B.

No. 1090. CONSTRUCTION ESTABLISHMENTS—SUMMARY, BY SIZE OF TOTAL RECEIPTS: 1967

[Employment in thousands; money figures in millions of dollars. Establishments with payroll figures are based on a sample and subject to sampling variability. For details, see source]

RECEIPTS SIZE	ALL ESTABLISHMENTS			ESTABLISHMENTS WITH PAYROLL			
	Number	Proprietors and working partners	Total receipts	Number	Proprietors and working partners	Em- ployees (average)	Total receipts ¹
Total.....	794,838	696,813	101,735	368,771	270,511	3,436	95,925
Less than \$10,000.....	351,747	344,592	1,161	38,437	31,949	37	201
\$10,000-\$24,999.....	130,592	125,999	2,116	69,374	56,922	109	1,101
\$25,000-\$49,999.....	97,602	91,280	3,447	73,541	66,427	188	2,628
\$50,000-\$99,999.....	80,429	68,019	5,688	68,490	55,610	276	4,865
\$100,000-\$199,999.....	70,746	47,441	11,270	63,839	41,083	472	10,149
\$200,000-\$499,999.....	30,129	12,290	10,822	28,600	11,280	406	10,202
\$500,000-\$999,999.....	17,456	4,488	12,412	16,953	4,296	421	12,093
\$1,000,000 or more.....	16,137	2,698	54,819	16,007	2,626	1,528	54,596

¹ Contains considerable duplication. Work of one firm may be subcontracted out to other firms, causing receipts to be included under both firms.

Source: Dept. of Commerce, Bureau of the Census; *Census of Construction Industries, 1967*, Series CC 67-1-1B.

No. 1091. CONSTRUCTION ESTABLISHMENTS—SUMMARY, BY STATES: 1967

[Employment in thousands; money figures in millions of dollars. Establishments with payroll figures are based on a sample and subject to sampling variability. For details, see source]

STATE	ALL ESTABLISHMENTS			ESTABLISHMENTS WITH PAYROLL			
	Number	Proprietors and working partners	Total receipts	Number	Proprietors and working partners	Em- ployees (average)	Total receipts ¹
United States.....	794,838	696,813	101,735	368,771	270,511	3,436	95,925
New England.....	55,444	46,276	5,710	27,073	17,741	198	5,341
Maine.....	5,204	4,906	311	2,283	1,897	14	293
New Hampshire.....	4,608	4,160	311	2,226	1,682	12	288
Vermont.....	2,777	2,496	168	1,251	968	7	166
Massachusetts.....	24,052	19,641	2,714	11,945	7,443	92	2,544
Rhode Island.....	4,150	3,208	500	2,348	1,391	18	480
Connecticut.....	14,473	11,856	1,707	7,017	4,360	55	1,581
Middle Atlantic.....	128,209	105,500	18,333	65,614	42,561	614	17,428
New York.....	59,534	45,478	8,875	30,105	15,945	283	8,453
New Jersey.....	28,080	22,205	3,592	15,450	9,712	113	3,378
Pennsylvania.....	40,605	37,817	5,866	20,059	16,904	219	5,600
East North Central.....	145,276	127,645	20,167	68,898	50,599	622	19,157
Ohio.....	39,303	34,088	5,115	17,677	12,226	163	4,849
Indiana.....	20,793	18,974	2,338	8,877	6,988	79	2,220
Illinois.....	37,408	32,626	6,334	19,301	14,130	102	6,059
Michigan.....	28,702	25,635	4,452	14,205	11,086	126	4,232
Wisconsin.....	19,070	16,342	1,930	8,038	6,169	63	1,797
West North Central.....	77,793	71,652	7,769	31,433	24,806	264	7,272
Minnesota.....	14,607	13,046	2,104	6,871	5,017	67	2,012
Iowa.....	15,499	14,530	1,181	6,432	5,376	43	1,063
Missouri.....	21,596	19,547	2,236	7,884	5,766	76	2,080
North Dakota.....	2,814	2,605	245	1,247	1,108	9	230
South Dakota.....	3,582	3,431	222	1,507	1,344	8	206
Nebraska.....	8,202	7,641	769	3,601	2,940	26	760
Kansas.....	11,493	10,762	973	3,991	3,255	35	902
South Atlantic.....	113,758	96,988	15,418	55,896	40,100	606	14,617
Delaware.....	1,646	1,099	665	1,110	533	21	560
Maryland.....	13,097	10,370	2,145	6,041	4,278	80	2,043
District of Columbia.....	1,904	218	625	758	309	19	615
Virginia.....	17,034	14,836	2,111	8,824	6,695	91	2,093
West Virginia.....	5,408	4,989	623	2,241	1,829	22	604
North Carolina.....	20,088	18,385	2,126	9,414	7,749	99	2,001
South Carolina.....	9,462	8,702	1,286	4,599	3,907	54	1,210
Georgia.....	17,370	16,107	2,183	8,383	6,696	87	2,031
Florida.....	27,849	21,685	3,763	13,626	8,104	134	3,541
East South Central.....	50,866	47,779	4,801	19,794	15,739	195	4,459
Kentucky.....	14,805	13,959	1,131	5,166	4,285	43	1,035
Tennessee.....	17,790	17,142	1,798	6,870	6,115	72	1,080
Alabama.....	10,379	9,736	1,262	4,919	3,939	54	1,180
Mississippi.....	7,386	6,942	610	2,839	2,400	26	663
West South Central.....	93,164	86,036	9,742	36,000	29,161	386	8,987
Arkansas.....	9,774	9,367	764	3,462	2,981	28	611
Louisiana.....	12,436	10,410	1,723	5,701	3,837	72	1,603
Oklahoma.....	15,225	14,430	1,023	5,097	4,343	39	901
Texas.....	65,729	51,829	6,332	21,740	18,000	246	5,872
Mountain.....	34,882	30,845	3,990	17,147	13,206	137	3,765
Montana.....	2,853	2,653	248	1,566	1,343	10	231
Idaho.....	3,676	3,445	316	1,310	1,038	11	287
Wyoming.....	1,950	1,825	153	735	604	5	143
Colorado.....	11,273	10,045	1,233	4,954	3,753	42	1,158
New Mexico.....	3,355	2,857	373	2,191	1,725	16	360
Arizona.....	5,406	4,380	703	3,128	2,159	26	756
Utah.....	4,461	4,102	507	2,127	1,725	15	474
Nevada.....	1,808	1,538	367	1,136	859	12	359
Pacific.....	95,446	84,092	15,814	46,916	35,598	415	14,901
Washington.....	14,093	12,303	2,112	7,094	5,026	62	2,015
Oregon.....	9,774	9,093	1,000	4,058	3,273	30	929
California.....	68,327	60,175	11,914	33,996	26,241	302	11,193
Alaska.....	1,325	1,124	230	548	340	4	216
Hawaii.....	1,027	1,392	559	1,220	718	17	643

¹ Contains considerable duplication. Work of one firm may be subcontracted out to other firms, causing receipts to be included under both firms.

Architectural, Engineering, and Land Surveying Firms 663

No. 1092. ARCHITECTURAL, ENGINEERING, AND LAND SURVEYING FIRMS—SUMMARY, BY SIZE OF RECEIPTS: 1967

[Money figures in thousands of dollars. Number as of December 31. Covers firms with four or more employees reporting details by type of firm. These firms represent about 70 percent of both number (10,614) and receipts (\$3,849,622) of all architectural, engineering, and land surveying firms with four or more employees]

RECEIPT SIZE, AND TYPE OF FIRM	Number	Receipts	Proprietors and partners, number	FULL-TIME EMPLOYMENT AND PAYROLL					
				All employees ¹		Architects and engineers		Technicians	
				Number	Payroll, 1st qtr.	Number	Payroll, 1st qtr.	Number	Payroll, 1st qtr.
Total	7,417	2,645,876	7,952	134,741	304,614	31,867	108,987	70,755	148,918
Less than \$100,000.....	2,270	149,623	2,186	10,983	17,124	2,434	5,788	4,962	7,569
\$100,000-\$249,999.....	2,816	447,714	2,939	23,366	40,509	5,612	17,689	11,181	20,599
\$250,000-\$499,999.....	1,208	416,861	1,361	20,877	45,225	4,943	17,134	10,485	21,092
\$500,000-\$999,999.....	687	468,877	844	23,340	54,151	5,785	20,102	12,197	26,288
\$1,000,000 or more.....	436	1,162,801	622	56,375	141,605	13,003	48,374	31,930	73,370
Architectural	2,831	865,112	4,103	35,793	80,800	10,217	33,220	17,527	36,050
Less than \$100,000.....	684	47,411	771	2,938	5,098	868	2,006	1,314	2,119
\$100,000-\$249,999.....	1,237	198,734	1,708	8,282	17,064	2,444	7,396	3,901	7,088
\$250,000-\$499,999.....	529	181,032	836	6,981	15,744	1,952	6,555	3,439	7,068
\$500,000-\$999,999.....	261	177,188	508	6,876	16,180	1,959	6,735	3,445	7,373
\$1,000,000 or more.....	120	260,747	280	10,716	26,714	3,004	10,623	5,428	12,412
Engineering	3,970	1,707,141	3,237	93,289	215,018	20,992	74,016	50,639	108,674
Less than \$100,000.....	1,168	79,433	959	5,822	9,545	1,300	3,353	2,717	4,325
\$100,000-\$249,999.....	1,424	225,354	1,100	13,270	26,582	2,969	9,601	6,497	12,278
\$250,000-\$499,999.....	652	227,008	507	13,060	28,301	2,914	10,321	6,706	13,384
\$500,000-\$999,999.....	417	286,135	333	16,184	37,800	3,790	13,219	8,564	18,551
\$1,000,000 or more.....	309	889,121	338	44,944	113,230	10,010	37,522	26,155	60,130
Land surveying	616	73,623	612	5,659	8,796	658	1,751	2,589	4,194
Less than \$100,000.....	418	22,779	456	2,223	2,481	267	429	931	1,125
\$100,000-\$249,999.....	155	23,626	131	1,805	2,863	199	592	783	1,233
\$250,000-\$499,999.....	27	8,731	18	636	1,180	77	265	340	650
\$500,000-\$999,999.....	9	5,554	3	280	611	36	148	188	364
\$1,000,000 or more.....	7	12,933	4	715	1,661	79	324	347	822

¹ Includes other employees not shown separately.

No. 1093. ARCHITECTURAL, ENGINEERING, AND LAND SURVEYING FIRMS—SUMMARY, BY STATES: 1967

[Money figures in thousands of dollars. Number as of December 31. Covers all firms in these industries]

STATE	All firms, number	FIRMS WITH PAYROLL			STATE	All firms, number	FIRMS WITH PAYROLL		
		Number	Receipts	Average annual receipts per firm			Number	Receipts	Average annual receipts per firm
Total	48,809	21,953	4,235,671	194	Missouri.....	955	475	90,886	191
Alabama.....	540	297	27,531	93	Montana.....	132	75	6,035	80
Alaska.....	93	43	7,939	185	Nebraska.....	239	132	24,551	186
Arizona.....	479	227	36,284	160	Nevada.....	169	75	6,041	81
Arkansas.....	200	133	12,825	96	New Hampshire.....	170	73	5,222	72
California.....	7,220	2,697	673,581	250	New Jersey.....	2,044	871	185,249	213
Colorado.....	826	356	41,431	116	New Mexico.....	277	168	15,776	100
Connecticut.....	1,032	410	56,044	138	New York.....	4,430	1,853	523,626	282
Delaware.....	91	55	8,203	149	North Carolina.....	837	475	46,154	97
Dist. of Col.....	339	181	151,211	835	North Dakota.....	84	63	6,568	124
Florida.....	1,863	869	98,701	114	Ohio.....	2,095	962	180,307	189
Georgia.....	810	470	68,986	147	Oklahoma.....	752	321	39,391	123
Hawaii.....	306	151	20,447	135	Oregon.....	597	306	32,225	105
Idaho.....	146	73	5,310	73	Pennsylvania.....	2,566	1,137	284,327	250
Illinois.....	2,540	1,091	287,700	264	Rhode Island.....	210	82	9,867	120
Indiana.....	804	399	60,657	152	South Carolina.....	401	207	51,883	251
Iowa.....	354	195	29,108	149	South Dakota.....	67	48	4,830	101
Kansas.....	482	205	32,142	157	Tennessee.....	656	340	39,717	117
Kentucky.....	446	243	31,350	129	Texas.....	3,549	1,504	177,606	118
Louisiana.....	1,011	472	75,595	160	Utah.....	328	167	13,712	82
Maine.....	167	74	7,157	97	Vermont.....	121	64	6,851	107
Maryland.....	851	385	77,674	202	Virginia.....	728	428	77,181	180
Massachusetts.....	1,782	738	162,493	220	Washington.....	1,014	472	72,597	154
Michigan.....	1,677	784	215,125	274	West Virginia.....	230	121	10,696	88
Minnesota.....	653	346	68,199	197	Wisconsin.....	809	406	48,170	119
Mississippi.....	412	207	16,638	80	Wyoming.....	121	67	3,452	61

Source of tables 1092 and 1093: Dept. of Commerce, Bureau of the Census; U.S. Census of Business: 1967, BC67-SS 6, and press release CB 70-19, Feb. 17, 1970.

No. 1094. PRICE AND COST INDEXES FOR CONSTRUCTION AND SELECTED COMPONENTS OF CONSTRUCTION: 1950 TO 1970

[1957-59 = 100, except as indicated. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these firms are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1867*, series N 85-102, for construction cost indexes on a 1947-49 base]

ITEM	1950	1955	1960	1965	1968	1969	1970
Price index for new one-family houses sold (1967=100) ¹	(NA)	(NA)	(NA)	94	106	115	118
Dept. of Agriculture, Economic Research Service:							
Farm housing.....	(NA)	(NA)	(NA)	108	127	138	141
Other farm construction.....	(NA)	(NA)	(NA)	106	121	131	135
Indexes of building materials prices and union wage scales (1967=100):							
Wholesale prices of construction materials ²	78.9	90.4	95.5	95.8	105.6	111.0	112.5
Union hourly wage scales in the building trades ³ ..	47.0	60.0	75.4	90.9	106.6	115.4	128.8
Construction cost indexes:							
Department of Commerce: Composite ⁴	77	90	103	115	131	142	152
Department of Transportation, Federal Highway Administration: Highways ⁵	78.3	87.3	94.1	105.7	121.6	132.3	148.6
American Appraisal Company: Building construction ⁶	73	89	106	121	142	154	166
Associated General Contractors of America: General construction ⁷	72	88	107	123	139	150	166
E. H. Boeckh and Associates, building cost index numbers: ⁸							
Small residential structures: Composite.....	80.3	92.4	104.2	115.2	136.7	148.0	155.9
Apartments, hotels, and office buildings: Composite.....	75.8	90.4	105.0	118.5	139.9	151.8	162.7
Commercial and factory buildings: Composite.....	74.0	89.5	104.7	117.2	139.1	149.1	160.3
Engineering News-Record: ⁹							
Building construction.....	71.2	80.0	106.1	118.9	136.8	149.9	158.5
General construction.....	67.1	88.8	108.3	127.8	151.9	167.2	181.6
George A. Fuller Company: Commercial buildings ¹⁰	72	88	106	124	136	151	166
Turner Construction Company: Building construction ¹¹	73	85	102	113	128	140	155
Handy-Whitman public utility construction: ¹²							
Building.....	67	83	104	111	125	135	142
Gas plant.....	65	83	106	117	120	137	143
Electric light and power ¹³	66	84	102	107	118	125	135

NA Not available. ¹ Includes value of site.

² Construction cost index for building materials during construction and not read to Al. etc. Beginning 1965, applies to Al. published data.

³ B. wages overtime. As of July 1. Sour. *Wages and Hours: Building Trades, 1970.*

⁴ Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction.

⁵ Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete).

⁶ Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

⁷ Covers building and nonbuilding construction. Wages and materials for 12 cities combined in 40-60 ratio. Wages are for hod carriers and common laborers only. Materials weighted: Sand, gravel, crushed stone, cement, common brick, lumber, hollow tile, and structural and reinforcing steel. Excludes taxes and employee-benefit costs.

⁸ Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes. Unweighted averages from Boeckh series prepared by Bureau of the Census.

⁹ Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1.085 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor.

¹⁰ Composite of 36 major cost elements in 3 commercial-type buildings including structural elements and elevators, wiring, plumbing, heating, and ventilating. Covers skilled and unskilled labor and reflects employee-benefit costs.

¹¹ Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs.

¹² Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs.

¹³ As derived by Bureau of the Census; covers steam production plants only; excludes hydraulic plants.

Source: Dept. of Commerce, Bureau of the Census, except as noted, In Dept. of Commerce, Bureau of Domestic Commerce; *Construction Review*.

No. 1095. CONSTRUCTION MATERIALS—INDEXES OF WHOLESALE PRICES: 1950 TO 1970

[1967=100. Prior to 1965, excludes Alaska and Hawaii. For discussion of wholesale price index, see text, p. 331]

COMMODITY	1950	1955	1960	1965	1970	COMMODITY	1950	1955	1960	1965	1970
All materials ¹ ..	78.9	90.4	95.5	95.8	112.5	Plumbing fixtures ² ..	76.5	88.7	93.3	93.3	112.5
Softwood lumber:						Enameled iron.....	98.9	111.7	108.4	98.1	111.4
Douglas fir.....	87.8	97.5	89.3	92.3	108.8	Vitreous china.....	97.9	102.1	106.3	96.5	108.9
Southern pine.....	88.3	94.2	93.9	91.2	114.5	Brass fittings.....	54.9	69.1	78.1	89.4	115.8
Other.....	87.5	100.6	95.3	95.4	115.1	Heating equipment..	93.5	102.5	105.8	98.9	110.6
Hardwood lumber..	82.1	85.7	90.8	97.4	114.7	Steam and hot					
Millwork.....	78.2	87.7	93.1	96.0	116.0	water.....	71.3	86.3	90.8	99.4	110.7
Plywood.....	121.5	120.4	109.8	103.5	108.5	Metal doors, sash,					
Softwood.....	148.0	143.4	113.2	105.7	113.8	and trim.....	82.0	103.9	98.9	95.4	112.9
Hardwood.....	99.0	100.2	105.2	100.5	102.9	Plate glass.....	90.9	108.0	112.2	94.8	(NA)
Building paper and						Concrete:					
board.....	81.5	99.1	110.3	100.9	101.2	Ingredients.....	72.8	85.2	97.0	97.5	114.6
Prepared paint.....	71.2	82.1	92.1	95.4	112.4	Portland cement..	99.9	85.0	100.3	98.1	115.7
Finished steel prod.:						Products.....	78.2	88.0	97.2	96.8	112.2
Structural shapes..	56.6	71.0	93.4	96.2	115.3	Pipe.....	71.6	87.6	101.9	94.0	103.5
Reinforcing bars... ³	64.0	87.8	107.3	99.7	109.2	Structural clay					
Black pipe, carbon..	61.0	79.4	99.7	98.2	113.0	products ⁴	72.1	83.8	93.7	96.6	109.8
Wire nails ²	71.2	93.4	109.4	107.6	114.7	Gypsum products..	77.8	90.9	99.1	101.2	100.0
Nonferrous metal						Asphalt roofing ⁵ ..	92.0	96.3	97.4	98.7	102.9
products.....	64.4	88.3	85.9	95.3	125.0	Insulation materials	107.8	113.7	110.9	97.2	123.1
Copper water						Floor coverings:					
tubing.....	57.6	83.2	78.1	82.3	122.9	Asphalt tile.....	82.0	86.8	91.3	96.5	112.9
Building wire.....	45.5	64.7	61.7	82.5	123.0	Vinyl covering ⁶ ..	(X)	(X)	107.1	106.3	97.5

NA. Not available. X Not applicable. ¹ See footnote 2, table 1094. ² 8d common.³ Includes brass fittings. ⁴ Excludes refractories. ⁵ Prepared. ⁶ Introduced January 1959.Source: Dept. of Labor, Bureau of Labor Statistics; monthly and annual reports, *Wholesale Prices and Price Indexes*.

No. 1096. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1960 TO 1970

[Value in millions of dollars; floor space in millions of square feet. Prior to 1969, excludes Alaska and Hawaii. Includes new structures value and floor area), and major alterations to existing structures with no additional floor area created by an "alteration" project]

CLASS OF CONSTRUCTION	VALUE OF CONSTRUCTION					FLOOR SPACE OF BUILDINGS ¹				
	1960	1965	1968	1969	1970	1960	1965	1968	1969	1970
Total.....	36,318	49,272	61,732	68,294	67,935	2,154	2,843	3,129	3,242	2,940
Nonresidential buildings:										
Commercial ²	3,725	5,457	7,845	9,786	9,090	283	415	496	573	536
Industrial.....	2,114	3,064	3,768	3,915	3,614	178	265	284	317	210
Educational and										
science.....	3,005	4,164	5,347	5,543	5,234	106	225	294	221	105
Hospital.....	832	1,515	2,114	2,817	2,823	36	60	69	87	75
Public buildings.....	679	842	1,112	1,154	1,017	33	36	39	36	20
Religious.....	789	783	778	674	581	53	45	30	33	27
Social and recreational.	631	800	954	1,116	1,137	44	47	46	53	47
Miscellaneous.....	464	596	795	944	940	31	38	47	54	42
Residential buildings.....	15,105	21,248	24,838	25,638	24,792	1,300	1,711	1,876	1,874	1,779
Nonbuilding construction.	8,972	10,805	14,382	10,710	18,706	(X)	(X)	(X)	(X)	(X)

X Not applicable.

¹ Excludes floor space of public works and utilities, data for which are not available.² Includes nonindustrial warehouses.Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. In *Dodge Construction Contract Statistics Service*.

No. 1097. CONSTRUCTION CONTRACTS—VALUE, BY STATES: 1960 TO 1970

[In millions of dollars. See headnote, table 1006. Represents value of construction in States in which work was actually done]

STATE	1960	1965	1967	1968	1969	1970			
						Total	Non-residential	Residential	Non-building
Total ¹	36,318	49,272	54,514	61,732	68,294	67,936	24,437	24,793	18,706
Alabama	467	679	791	1,066	859	1,034	305	422	307
Alaska	(NA)	(NA)	(NA)	(NA)	193	238	68	59	111
Arizona	453	413	448	491	727	1,060	228	405	425
Arkansas	286	329	529	607	454	461	95	229	137
California	4,047	6,333	5,606	6,442	7,770	6,740	2,087	3,074	1,479
Colorado	401	585	608	693	683	833	307	370	147
Connecticut	618	799	849	1,067	1,210	1,145	435	355	355
Delaware	98	200	171	195	180	208	81	39	38
District of Columbia	222	310	209	272	204	313	205	11	97
Florida	1,443	1,890	2,065	2,694	3,495	3,573	920	1,955	698
Georgia	606	1,121	1,294	1,342	1,657	1,551	499	821	231
Hawaii	(NA)	(NA)	(NA)	(NA)	655	601	189	306	106
Idaho	116	187	164	136	194	196	55	48	93
Illinois	2,098	2,465	3,346	3,168	3,638	3,622	1,772	1,115	735
Indiana	803	1,332	1,422	1,606	1,697	1,477	604	483	390
Iowa	411	591	671	699	733	705	236	230	230
Kansas	462	473	639	595	568	530	176	199	155
Kentucky	486	691	936	998	1,487	1,176	293	461	422
Louisiana	579	1,100	1,183	1,697	1,270	1,359	330	529	600
Maine	116	151	178	308	271	216	70	95	51
Maryland	706	1,278	1,150	1,394	1,417	1,241	550	436	255
Massachusetts	704	1,093	1,445	1,728	1,743	1,732	335	667	227
Michigan	1,410	2,280	2,276	2,350	2,743	2,938	944	943	1,051
Minnesota	661	793	925	1,291	1,163	1,080	425	382	273
Mississippi	288	439	542	570	570	579	132	235	162
Missouri	807	1,120	1,428	1,319	1,453	1,174	438	428	308
Montana	133	219	269	141	207	184	36	30	118
Nebraska	288	360	352	462	375	334	110	122	102
Nevada	130	232	152	389	290	363	53	161	89
New Hampshire	103	160	177	234	210	186	61	77	48
New Jersey	1,235	1,541	1,907	2,331	2,206	2,753	1,113	660	930
New Mexico	220	377	283	234	232	394	87	135	172
New York	3,693	3,938	4,011	4,834	6,494	5,558	2,740	1,416	1,402
North Carolina	652	1,016	1,338	1,369	1,639	1,721	429	742	550
North Dakota	141	127	121	196	107	296	30	54	212
Ohio	1,924	2,497	3,012	3,536	3,288	3,029	1,107	1,118	804
Oklahoma	489	697	693	823	743	760	264	362	134
Oregon	365	586	531	558	584	632	172	224	236
Pennsylvania	1,439	2,118	3,017	3,121	3,146	3,193	1,301	814	1,078
Rhode Island	118	192	237	220	246	195	92	72	31
South Carolina	333	488	679	827	753	882	258	380	244
South Dakota	186	112	167	124	118	180	52	47	61
Tennessee	618	909	1,043	1,227	1,487	1,596	640	526	400
Texas	2,021	2,679	3,183	3,992	3,772	4,141	1,636	1,643	862
Utah	195	240	263	238	293	334	105	125	104
Vermont	51	106	136	145	182	145	64	42	39
Virginia	968	1,373	1,195	1,404	1,440	1,590	516	603	471
Washington	632	1,007	1,210	1,416	1,472	1,478	551	449	478
West Virginia	198	267	445	382	561	847	101	99	647
Wisconsin	753	1,034	1,116	1,252	1,213	1,207	538	438	231
Wyoming	121	117	108	90	137	160	21	18	121

NA. Not available. ¹ Prior to 1969, excludes Alaska and Hawaii.Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N. Y. Figures reported currently in *Dodge Construction Contract Statistics Service*.

No. 1098. NEW HOUSING UNITS AUTHORIZED—NUMBER AND VALUATION, BY STATES:
1967 TO 1970

[Housing units in thousands; value in millions of dollars. Includes public housing contract awards. For definition of 12,000 and 13,000 place series, see headnote, table 1086]

STATE	12,000 PLACE SERIES		13,000 PLACE SERIES							
	Housing units, 1967	Valuation, 1967	Housing units				Valuation			
			1967	1968	1969	1970 ¹	1967	1968	1969	1970 ¹
United States.....	1,181.5	14,864	1,168.6	1,387.8	1,352.4	1,371.1	15,367	18,799	19,045	19,360
New England.....	60.2	796	62.2	76.9	73.9	76.0	825	1,027	1,035	1,079
Maine.....	2.4	31	2.6	2.6	2.9	3.4	34	34	39	49
New Hampshire.....	3.6	49	4.1	4.8	4.5	5.0	54	68	65	70
Vermont.....	1.3	15	1.6	1.5	1.6	1.7	22	21	28	26
Massachusetts.....	27.2	352	27.7	36.9	34.3	39.3	368	487	482	558
Rhode Island.....	4.9	61	4.9	6.0	5.3	4.5	62	71	68	60
Connecticut.....	20.8	289	21.3	25.2	25.3	22.1	295	346	352	316
Middle Atlantic.....	161.7	2,051	168.8	167.2	149.0	139.6	2,140	2,300	2,168	2,161
New York.....	73.0	976	74.4	78.0	66.4	67.5	995	1,108	990	970
New Jersey.....	45.8	558	46.3	42.3	38.6	40.4	564	580	581	611
Pennsylvania.....	42.9	517	48.1	46.9	44.0	41.6	581	612	597	580
East North Central.....	227.5	3,233	235.2	260.0	234.8	212.2	3,348	3,838	3,565	3,294
Ohio.....	68.1	838	59.3	65.4	58.5	58.0	860	985	907	866
Indiana.....	25.5	328	26.6	28.9	30.0	23.3	343	378	400	380
Illinois.....	63.2	910	65.5	79.2	68.3	54.9	945	1,197	1,058	931
Michigan.....	57.9	836	59.7	60.0	55.0	53.8	859	900	861	856
Wisconsin.....	22.8	320	24.1	26.4	23.0	21.8	341	379	388	310
West North Central.....	77.8	1,054	80.8	98.0	89.0	81.0	1,099	1,347	1,254	1,168
Minnesota.....	22.7	311	23.5	31.8	30.6	24.2	321	467	443	389
Iowa.....	12.8	178	13.2	12.6	10.9	11.0	183	182	164	156
Missouri.....	23.1	318	24.0	28.4	24.7	22.7	331	388	350	321
North Dakota.....	1.7	25	1.8	2.4	2.6	2.5	27	33	36	35
South Dakota.....	1.2	14	1.2	1.4	1.5	2.5	15	18	19	30
Nebraska.....	7.0	74	7.3	9.4	7.4	7.7	77	96	82	84
Kansas.....	9.3	136	9.8	12.1	11.2	10.4	144	164	169	153
South Atlantic.....	217.0	2,556	226.6	277.0	287.5	305.3	2,677	3,470	3,951	4,121
Delaware.....	5.8	61	5.8	6.6	5.4	6.7	61	73	62	101
Maryland.....	31.7	391	31.8	32.5	33.5	34.7	392	437	467	481
Dist. of Columbia.....	2.0	17	2.0	1.3	2.0	1.9	17	17	21	27
Virginia.....	36.2	431	36.5	40.8	38.3	43.1	436	510	512	565
West Virginia.....	2.0	28	2.0	2.6	2.2	3.0	29	34	30	35
North Carolina.....	22.1	270	24.1	28.8	26.1	31.4	295	362	343	391
South Carolina.....	10.7	119	15.6	18.2	16.8	19.9	184	198	219	284
Georgia.....	35.3	376	40.5	40.5	39.8	55.1	388	470	463	636
Florida.....	71.3	862	72.4	107.6	123.5	110.4	874	1,371	1,833	1,630
East South Central.....	59.2	637	62.5	68.1	60.2	72.7	681	765	699	866
Kentucky.....	14.2	160	14.4	15.9	14.6	16.8	184	188	173	202
Tennessee.....	23.8	233	25.4	27.8	22.9	23.6	257	295	267	281
Alabama.....	15.3	178	16.8	17.3	14.6	20.3	183	198	176	252
Mississippi.....	5.9	66	6.9	7.2	8.1	11.9	77	83	93	131
West South Central.....	109.9	1,292	112.5	145.1	137.5	140.7	1,330	1,620	1,588	1,673
Arkansas.....	6.6	83	6.9	7.4	6.5	8.9	87	95	87	113
Louisiana.....	15.1	204	15.8	18.3	19.8	18.9	215	248	263	265
Oklahoma.....	12.9	167	13.0	17.9	16.9	18.4	168	205	211	239
Texas.....	75.3	849	76.8	101.5	94.2	94.5	871	1,072	1,026	1,056
Mountain.....	40.2	499	41.4	55.1	68.0	92.2	515	696	884	1,209
Montana.....	0.9	13	0.9	1.0	1.3	3.0	13	15	17	34
Idaho.....	1.5	21	1.8	2.0	1.9	3.0	26	27	28	35
Wyoming.....	0.6	9	0.6	0.6	0.6	1.1	9	9	10	15
Colorado.....	17.0	199	17.2	22.5	23.8	30.8	202	238	284	367
New Mexico.....	2.9	41	2.9	3.9	3.0	6.8	41	48	46	107
Arizona.....	10.1	118	10.6	15.6	26.3	29.7	123	189	327	385
Utah.....	5.3	67	5.5	5.7	6.1	8.8	69	75	78	113
Nevada.....	1.8	31	1.8	3.6	5.2	0.1	32	65	94	153
Pacific.....	178.1	2,744	178.6	240.3	252.6	251.5	2,752	3,737	3,901	3,788
Washington.....	44.2	597	44.3	50.1	48.2	28.1	597	707	537	410
Oregon.....	14.1	176	14.5	16.6	16.1	15.8	181	214	214	216
California.....	110.6	1,820	110.7	160.8	184.9	195.2	1,830	2,595	2,888	2,906
Alaska.....	0.9	17	1.0	1.2	1.5	1.7	18	31	24	39
Hawaii.....	8.2	126	8.2	11.6	13.8	10.7	126	189	238	218

¹ Preliminary. Based on a sample. The relative standard error on total private housing is less than 5 percent for all States except as follows (in percent): Alaska, 14; Idaho, 6; Maine, 6; Mont., 11; Nev., 12; R.I., 6; S. Dak., 18; Vt., 8; W. Va., 8.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C40 and C42, annual issues.

No. 1099. NEW HOUSING UNITS STARTED—NUMBER AND CONSTRUCTION COST: 1960 TO 1971

YEAR AND MONTH	NUMBER (1,000)				COST (mil. dol.)			AVERAGE COST PER UNIT (dol.)				
	Total	Privately-owned		Publicly-owned	Total	Privately-owned		Publicly-owned	Total	Privately-owned		Publicly-owned
		Total	1-unit structures			Total	1-unit structures			Total	1-unit structures	
TOTAL												
1960	1,206	1,252	995	44	16,357	15,831	13,647	528	12,025	12,650	13,725	12,025
1961	1,365	1,313	975	52	17,085	16,476	13,470	609	12,525	12,550	13,825	11,725
1962	1,492	1,463	992	30	18,720	18,373	14,194	347	12,550	12,550	14,325	11,700
1963	1,642	1,610	1,021	32	20,756	20,378	(NA)	378	12,650	12,650	(NA)	11,925
1964	1,561	1,529	970	32	20,375	19,975	14,974	400	13,050	13,075	15,425	12,450
1965	1,510	1,473	964	37	20,528	20,061	15,558	466	13,600	13,625	16,150	12,625
1966	1,196	1,165	778	31	16,969	16,575	13,044	394	14,175	14,225	16,750	12,625
1967	1,322	1,292	844	30	19,072	18,674	14,627	397	14,425	14,450	17,325	13,100
1968	1,545	1,508	900	33	23,153	22,622	16,670	531	14,975	15,000	18,525	14,050
1969	1,500	1,467	811	33	23,292	22,807	15,584	485	15,525	15,550	19,225	14,700
1970	1,467	1,434	815	33	22,655	22,148	14,902	507	15,450	15,450	18,325	15,200
1971:												
Jan.	115	111	55	4	1,602	1,635	987	57	14,725	14,775	18,000	13,525
Feb.	105	102	58	2	1,613	1,581	1,007	33	15,425	15,475	18,825	14,050
Mar.	169	168	92	2	2,722	2,699	1,775	22	16,075	16,075	19,375	15,875
Apr. 1	202	200	115	2	3,324	3,275	2,295	49	16,450	16,400	19,925	19,675
NONFARM²												
1960	1,274	1,230	973	44	16,124	15,596	13,411	528	12,650	12,675	13,800	12,025
1964	1,535	1,502	945	32	20,088	19,687	14,689	400	13,100	13,100	15,550	12,450
1965	1,488	1,451	941	37	20,280	19,813	15,312	466	13,625	13,650	16,250	12,625
1966	1,173	1,142	755	31	16,063	16,269	12,738	394	14,200	14,250	16,875	12,625
1967	1,290	1,268	821	30	18,788	18,390	14,343	397	14,475	14,500	17,475	13,100
1968	1,524	1,494	875	40	22,851	22,289	16,340	562	15,000	15,025	18,675	14,025
1969	1,482	1,449	793	33	23,108	22,558	15,332	553	15,575	15,575	19,325	14,750

NA. Not available. ¹ Preliminary.

² Preliminary 1970 data for number of units: Total, 1,449,000; privately owned, 1,416,000; publicly owned, 33,000.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C20. Includes data from Federal Housing Administration and Veterans Administration.

No. 1100. NEW HOUSING UNITS STARTED—SELECTED CHARACTERISTICS: 1960 TO 1970

[In thousands]

CHARACTERISTIC	ALL UNITS					NONFARM UNITS ¹			
	1960	1965	1968	1969	1970 (prel.)	1960	1965	1968	1969
Total	1,296	1,510	1,545	1,500	1,467	1,274	1,488	1,521	1,482
By type of program:									
Privately owned	1,252	1,473	1,608	1,467	1,434	1,230	1,451	1,484	1,440
With FHA aid	261	197	220	233	417	261	197	220	233
With VA aid	75	49	56	51	61	75	49	56	51
Publicly owned	44	37	38	33	33	44	37	38	33
In structures with—									
1 unit	1,009	965	901	811	815	987	943	876	794
2 units	51	58	54	48	48	51	58	54	48
3 units or more	237	486	591	640	604	237	486	591	640
By area:²									
Inside SMSA's	889	1,035	1,116	1,097	1,033	888	1,035	1,115	1,096
Outside SMSA's	407	475	429	403	434	386	453	406	386
By region:³									
Northeast	237	281	236	213	224	236	281	236	213
North Central	304	369	377	357	301	299	364	371	351
South	441	588	634	603	628	425	572	616	591
West	314	271	298	327	313	314	271	298	327

¹ Includes units with VA aid, 417,000; with VA aid, 61,000;

² p. 2. 1960 based on 1959 definitions; composition of regions, see fig. I, p. xii.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C20. Includes data from Federal Housing Administration and Veterans Administration.

No. 1101. PRIVATE HOUSING STARTS, BY REGION, AND MOBILE HOMES: 1964 TO 1971

[In thousands of units, except as indicated. For composition of regions, see fig. I, p. xii]

ITEM	1964	1965	1966	1967	1968	1969	1970	1971, Jan.- Mar. (prel.)
Private housing units started ¹ -----	1,529	1,473	1,165	1,292	1,508	1,467	1,434	380
Single family-----	970	964	779	844	900	811	813	204
Multifamily-----	559	509	387	448	608	656	621	176
Region:								
Northeast-----	107	107	79	88	94	84	105	16
Percent of multifamily-----	19.1	21.0	20.4	19.6	15.5	12.8	16.9	(B)
North Central-----	113	136	99	123	146	166	128	28
Percent of multifamily-----	20.2	26.7	25.6	27.5	24.0	25.3	20.6	(B)
South-----	159	159	139	155	244	246	235	72
Percent of multifamily-----	28.4	31.2	35.9	34.6	40.1	37.5	37.8	(B)
West-----	180	107	68	81	124	161	154	60
Percent of multifamily-----	32.2	21.0	17.6	18.1	20.4	24.5	24.8	(B)
Mobile home shipment ² -----	191	216	217	240	318	413	401	89
Retail sales estimate-----mil. dol.	1,071	1,212	1,239	1,370	1,908	2,497	(NA)	(NA)

B Not computed for quarterly data. NA Not available. ¹ Includes farm housing.
² A mobile home is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. The homes are defined as units 29 feet or longer and weighing over 4,500 pounds.

Source: Dept. of Commerce, Bureau of the Census; *Construction Reports*, Series C 20.

No. 1102. CHARACTERISTICS OF NEW PRIVATELY-OWNED ONE-FAMILY HOMES: 1966 TO 1970

[Percent distribution, except as indicated. Covers contractor-built and owner-built homes for year construction started and homes sold for year of sale. Percentages exclude homes for which characteristics specified were not reported. See also headnote, table 1103]

CHARACTERISTIC	1966	1967	1968	1969	1970	CHARACTERISTIC	1966	1967	1968	1969	1970
Total homes-----1,000-----	792	817	840	787	793	Number of bathrooms ----	100	100	100	100	100
Financing -----	100	100	100	100	100	1 or less-----	29	26	26	24	32
Mortgage-----	83	84	85	83	84	1½-----	22	22	20	20	20
FHA-insured-----	14	16	15	18	30	2-----	31	32	33	35	32
VA-guaranteed-----	8	10	9	9	7	2½ or more-----	19	20	21	21	16
Conventional-----	61	58	61	57	47	Foundation -----	100	100	100	100	100
Cash or equivalent-----	17	16	15	17	16	Full or partial basement--	44	44	43	42	37
Floor area (sq. feet) -----	100	100	100	100	100	Slab-----	28	29	20	32	36
Under 1,199-----	29	28	27	27	36	Crawl space-----	28	28	28	26	27
1,200-1,599-----	31	29	29	28	28	Heating fuel -----	100	100	100	100	100
1,600-1,999-----	18	20	18	20	16	Electricity-----	20	20	22	25	28
2,000 and over-----	22	24	25	26	21	Gas-----	64	66	65	64	62
Number of stories -----	100	100	100	100	100	Oil-----	13	11	11	9	8
1-----	72	71	70	69	74	Other-----	3	3	2	1	1
2 or more-----	18	19	20	19	17	Central air conditioning ---	100	100	100	100	100
Split level-----	10	10	10	11	10	With-----	25	28	31	36	34
Number of bedrooms ----	100	100	100	100	100	Without-----	75	72	69	64	66
2 or less-----	13	12	13	13	13	Parking facilities -----	100	100	100	100	100
3-----	63	63	61	61	63	Garage-----	64	65	68	64	68
4 or more-----	24	25	26	26	24	Carport-----	17	16	15	16	17
						No garage or carport-----	20	19	19	20	25

Source: Dept. of Commerce, Bureau of the Census and Dept. of Housing and Urban Development, Office of the Deputy Undersecretary for policy Analysis and Program Evaluation; *Construction Reports*, Series C25 (a joint publication).

No. 1103. NEW PRIVATE NONFARM ONE-FAMILY HOMES SOLD AND FOR SALE: 1965 TO 1971

[Based on monthly interviews with builders or owners of a national probability sample of 1-family homes for which building permits have been issued or, in nonpermit areas, on which construction has started. For details, see source. For definition of median, see preface.]

TYPE OF FINANCING AND PERIOD	NUMBER OF HOMES (1,000)					Median sales price (dollars)	Median number of months from start of construction to sale	
	Total ¹	Sales price						
		Under \$15,000	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$29,999			\$30,000 and over
Homes sold, total: ²								
1965.....	575	115	160	121	81	75	20,000	(NA)
1968.....	490	37	101	101	85	142	24,700	(NA)
1969.....	448	24	88	92	70	147	25,600	(NA)
1970.....	485	20	140	103	68	133	23,400	(NA)
Jan.-Mar.....	89	5	28	19	13	30	29,900	4.7
1971, Jan.-Mar. (prel.).....	156	6	38	28	22	42	24,300	3.3
FHA-insured:								
1965.....	134	47	56	22	6	2	16,600	(NA)
1968.....	93	15	37	26	10	4	19,200	(NA)
1969.....	102	11	44	25	13	6	19,300	(NA)
1970.....	183	10	96	48	15	8	19,200	(NA)
Jan.-Mar.....	37	3	20	8	3	2	18,900	2.9
1971, Jan.-Mar. (prel.).....	56	3	25	13	5	3	19,600	2.2
VA guaranteed:								
1965.....	40	10	16	9	4	1	17,900	(NA)
1968.....	63	6	26	17	8	4	19,800	(NA)
1969.....	56	3	18	19	9	6	21,800	(NA)
1970.....	49	1	12	16	11	9	23,700	(NA)
Jan.-Mar.....	12	1	3	4	2	2	22,600	4.1
1971, Jan.-Mar. (prel.).....	20	(Z)	3	6	5	3	24,600	3.4
Conventional mortgage:								
1965.....	339	48	76	80	63	65	22,700	(NA)
1968.....	290	13	31	52	60	121	28,600	(NA)
1969.....	246	7	19	42	47	122	30,400	(NA)
1970.....	202	7	23	28	35	103	30,800	(NA)
Jan.-Mar.....	39	(Z)	2	5	7	23	33,400	6.2
1971, Jan.-Mar. (prel.).....	62	2	5	6	10	31	32,500	4.6
Homes for sale: ³								
1965, Dec. 31.....	227	32	57	39	30	40	21,300	4.5
1968, Dec. 31.....	219	12	38	35	30	50	24,600	4.0
1969, Dec. 31.....	228	10	32	33	32	63	27,000	5.0
1970, Mar. 31.....	214	9	29	29	31	63	27,200	5.9
June 30.....	218	10	31	29	27	64	27,000	4.9
Sept. 30.....	216	10	30	27	26	62	27,100	4.5
Dec. 31.....	226	8	38	30	24	64	26,200	4.2
1971, Mar. 31.....	218	8	35	29	24	62	26,100	4.1

NA Not available. Z Less than 500 homes. ¹ Totals include homes with price data not reported.

² Includes homes with cash and other financing reported, and homes with type of financing not reported.

³ Data refer to intended sales price and to median number of months from start of construction to end of quarter.

Source: Dept. of Commerce, Bureau of the Census, and Dept. of Housing and Urban Development, Office of the Deputy Undersecretary for Policy Analysis and Program Evaluation; *Construction Reports*, Series C25 (a joint publication).

No. 1104. FIRST AND SECOND HOMES: 1967

[In thousands, except as indicated. As of April. Based on sample of households. A second home is a residence other than the one where the household usually lives, which was owned or rented by the household for the entire year. The home must have been reserved for the occasional use of the owner during the entire year. Includes homes shared with co-owners or co-renters. Excludes homes outside the United States, those used for income and investment purposes only, trailers, tents, etc.]

ITEM	Total	Percent	ITEM	Total	Percent
Number of households.....	58,845	100.0	Second homes, total.....	1,547	100.0
First homes:			Owned.....	1,496	96.7
Owner-occupied.....	37,602	63.9	Rented.....	51	3.3
Renter-occupied.....	21,243	36.1	Single-family.....	504	32.6
With no second home.....	57,169	97.1	Vacation cottage.....	874	56.5
With second home.....	1,676	2.9	Other.....	169	10.9
			Occupied summer only.....	1,083	70.0
			Occupied 2 or 3 seasons.....	402	25.0
			Median value ¹	\$7,800	(X)

X Not applicable. ¹ For definition of median, see preface.

Source: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-121, No. 10.

No. 1105. VACANCY RATES—INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS, AND REGIONS: 1960 TO 1971

[In percent. Annual averages, except as indicated. Based on Current Population Survey; see text, p. 1. Rental rate is relationship between vacant house and owner-occupied units, vacant units already rented or owner-occupied units, vacant units available for rent. Homeowner-occupied units, vacant units available for sale. For composition of regions, see fig. I, p. 2; covers 212 SMSA's as constituted in 1960]

RATE AND PERIOD	United States	Inside SMSA's	Outside SMSA's	REGIONS			
				North-east	North Central	South	West
Rental vacancy rate:							
1960.....	7.4	6.5	0.3	4.4	7.7	8.6	10.5
1965.....	7.5	7.4	7.9	5.0	6.7	8.1	11.3
1968.....	5.4	4.8	6.9	3.3	5.0	6.7	6.8
1969.....	5.0	4.0	6.5	2.7	5.2	6.4	5.7
1970.....	4.9	4.6	5.8	2.5	5.4	6.6	5.3
1st quarter.....	5.0	4.8	5.6	2.1	5.5	7.1	5.4
1971, 1st quarter.....	4.9	4.7	5.5	2.1	5.7	6.7	5.2
Homeowner vacancy rate:							
1960.....	1.2	1.2	1.3	0.9	1.1	1.5	1.3
1965.....	1.4	1.4	1.5	0.9	1.1	1.9	1.8
1968.....	1.0	1.0	1.2	0.7	0.9	1.3	1.2
1969.....	0.9	0.9	1.0	0.7	0.8	1.1	1.1
1970.....	1.0	1.0	1.0	0.7	0.9	1.2	1.1
1st quarter.....	1.0	0.9	1.0	0.7	0.9	1.1	1.0
1971, 1st quarter.....	1.0	1.0	1.0	0.7	0.8	1.1	1.4

No. 1106. VACANT HOUSING UNITS—CONDITION AND STATUS, INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS: 1960 TO 1971

[Percent distribution. Annual averages, except as indicated. See headnote, table 1105]

CONDITION AND STATUS	TOTAL					INSIDE SMSA'S			OUTSIDE SMSA'S		
	1960	1965	1969	1970	1971, 1st qtr.	1969	1970	1971, 1st qtr.	1969	1970	1971, 1st qtr.
All housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round vacant:											
Sound or deteriorating.....	6.3	6.9	5.9	5.8	5.8	5.0	5.0	5.1	7.4	7.0	7.0
For rent.....	2.7	2.7	1.7	1.7	1.7	1.7	1.9	1.9	1.7	1.5	1.5
For sale only.....	0.7	0.8	0.6	0.6	0.6	0.5	0.5	0.6	0.7	0.6	0.6
Rented or sold, awaiting occupancy.....	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Held off market.....	2.5	2.9	3.0	2.9	2.9	2.2	2.0	2.0	4.5	4.4	4.4
Dilapidated.....	1.1	0.7	0.6	0.5	0.6	0.4	0.3	0.3	1.0	0.9	1.0
Seasonal vacant.....	2.7	2.9	2.6	2.5	2.4	1.0	0.9	0.9	5.4	5.3	5.1
Occupied.....	89.9	89.5	90.9	91.2	91.2	93.6	93.8	93.7	86.2	86.8	89.9

No. 1107. VACANCY RATES FOR HOUSING UNITS WITH SELECTED CHARACTERISTICS: 1968 TO 1970

[In percent. See headnote, table 1105]

RENTAL UNITS	1968	1969	1970	HOMEOWNER UNITS	1968	1969	1970
	Total units.....	5.4	5.0		4.9	Total units.....	1.0	0.9	1.0
Units in structure:				Units in structure:			
1 unit.....	4.7	4.1	3.6	1 unit.....	1.0	1.0	1.0
2 or more units.....	6.0	5.8	6.2	2 or more units.....	2.0	1.8	2.1
5 or more units.....	6.1	6.3	7.1	5 or more units.....	2.9	1.8	4.3
Number of rooms:				Number of rooms:			
3 rooms or less.....	8.1	7.9	8.2	3 rooms or less.....	2.6	2.1	2.5
4 rooms.....	5.0	4.6	4.8	4 rooms.....	1.1	1.0	1.4
5 rooms.....	4.1	3.7	3.5	5 rooms.....	0.9	0.9	0.9
6 rooms or more.....	2.8	2.5	2.3	6 rooms or more.....			
Monthly rent:				Value:			
Less than \$80.....	7.8	7.4	7.1	Less than \$10,000.....	1.3	1.2	1.3
\$80-\$79.....	5.6	4.7	4.6	\$10,000-\$19,999.....	0.9	0.8	0.8
\$80-\$99.....	3.8	3.8	4.2	\$20,000-\$24,999.....	0.8	0.8	0.7
\$100 or more.....	4.6	4.6	5.3	\$25,000 or more.....	1.3	1.2	1.3
\$120 or more.....	5.7	5.3	6.2	Year built:			
Year built:				1980 or later.....	1.8	1.6	1.6
1960 or later.....	5.7	6.5	7.2	1965 or later.....	2.8	2.8	2.6
1940-1959.....	5.2	4.5	4.3	1940-1959.....	0.7	0.7	0.7
1939 or earlier.....	5.6	5.2	5.0	1939 or earlier.....	1.2	1.1	1.0
Plumbing facilities:				Plumbing facilities:			
With all facilities.....	4.9	4.7	4.8	With all facilities.....	1.0	1.0	1.0
Lacking facilities.....	10.1	9.2	9.6	Lacking facilities.....	2.0	1.5	1.8

No. 1108. LOW-RENT PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1950 TO 1970

[In thousands. As of December 31. Includes Puerto Rico and Virgin Islands. Covers units subsidized by Department of Housing and Urban Development (HUD) under annual contributions contracts]

YEAR AND PROGRAM	Total	Under management ¹	Under construction	Not under construction ²	YEAR AND PROGRAM	Total	Under management ¹	Under construction	Not under construction ²
1950 ³	302.1	201.7	31.5	68.9	1970—Continued				
1955 ³	489.7	413.6	21.1	55.1	New construction.....	957.8	789.0	107.7	61.2
1960.....	593.3	478.2	36.4	78.8	Conventional ⁴	842.4	725.7	89.7	47.0
Elderly ⁴	18.0	1.1	4.1	13.7	Turnkey ⁵	115.5	63.3	38.0	14.2
1965.....	735.7	604.9	42.4	88.4	Acquisition.....	54.0	28.7	10.9	14.4
Elderly ⁴	97.7	36.2	21.6	40.0	Rehabilitation:				
1968.....	923.7	744.5	73.5	105.7	With ⁷	41.2	18.8	10.9	11.6
Elderly ⁴	183.7	97.2	42.8	43.7	Conventional.....	32.1	14.1	10.0	8.0
1969.....	1,034.7	822.6	84.8	127.4	Turnkey.....	9.1	4.7	0.8	3.6
Elderly ⁴	218.9	121.3	48.6	48.6	Without.....	12.7	10.0	(X)	2.8
1970.....	1,155.3	893.5	126.8	135.0	Leased housing ⁸	143.5	75.8	8.3	59.5
Elderly ⁴	249.4	143.4	65.7	40.3	New.....	53.1	22.2	1.9	29.0
					Rehabilitation:				
					With ⁷	28.6	16.8	6.4	5.4
					Without.....	61.9	36.8	(X)	25.1

¹ Units available for occupancy.
² Units that will go directly into "under management" category because the...
³ Units which have been sold to mutual housing associations, limited dividend corporations (PWA), and...
⁴ Subsidized, or handicapped.
⁵ Pursuant to a contract let by the LHA.
⁶ Completion of construction pursuant to...
⁷ Existing housing acquired by the LHA, requiring substantial rehabilitation which can be done either by the LHA (conventional) or by the seller (turnkey).
⁸ Existing housing leased by the LHA from an owner under a contract permitting the LHA to sub-lease the units.

Source: Dept. of Housing and Urban Development, Housing Production and Mortgage Credit—FHA; HUD Statistical Yearbook, and unpublished data.

No. 1109. OCCUPIED HOUSING UNITS—PERCENT OF HOME OWNERSHIP, BY RACE OF HOUSEHOLD HEAD, AND REGIONS: 1960 AND 1970

[For composition of regions, see fig. I, p. xii]

RACE AND TENURE	1960					1970				
	United States	North-east	North Central	South	West	United States	North-east	North Central	South	West
TOTAL										
Occupied housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	61.9	56.1	67.0	62.0	61.3	62.9	57.6	68.0	64.6	59.0
Renter occupied.....	38.1	43.9	33.0	38.0	38.7	37.1	42.4	32.0	35.4	41.0
WHITE										
Occupied housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	64.4	58.1	69.1	66.4	62.5	65.4	60.5	70.2	68.2	60.2
Renter occupied.....	35.6	41.9	30.9	33.6	37.5	34.6	39.5	29.8	31.8	39.8
NEGRO AND OTHER¹										
Occupied housing units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	38.4	27.0	35.8	41.6	44.6	41.5	28.6	42.0	46.9	40.1
Renter occupied.....	61.6	73.0	64.2	58.4	55.4	58.5	71.4	58.0	53.1	59.0

¹ For 1970, Negro only.

Source: Dept. of Commerce, Bureau of the Census; U.S. Census of Housing: 1960, Vol. I and 1970 Census of Housing, advance report, General Housing Characteristics, HC (VI)-1.

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No. 1110. OCCUPIED HOUSING UNITS—TENURE, AND POPULATION PER OCCUPIED UNIT, BY RACE OF HOUSEHOLD HEAD AND BY RESIDENCE: 1900 TO 1970

[In thousands, except percent. Prior to 1960, excludes Alaska and Hawaii. Tenure allocated for housing units which did not report. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1957*, series N 139-146]

YEAR, RACE, AND RESIDENCE	OCCUPIED UNITS ¹					PERCENT INCREASE OVER PRECEDING CENSUS		Population per occupied unit ²
	Total	Owner occupied		Renter occupied		Total occupied units	Total population	
		Number	Percent	Number	Percent			
TOTAL								
1900-----	15,964	7,455	46.7	8,509	53.3	25.8	20.7	4.8
1910-----	20,256	9,301	46.9	10,954	54.1	26.9	21.0	4.5
1920-----	24,352	11,114	45.6	13,238	54.4	20.2	14.9	4.3
1930-----	29,905	14,280	47.8	15,624	52.2	22.8	16.1	4.1
1940-----	34,855	15,196	43.6	19,659	56.4	16.6	7.2	3.8
1950-----	42,826	23,560	55.0	19,266	45.0	22.9	14.5	3.5
1960-----	53,024	32,797	61.9	20,227	38.1	23.4	18.5	3.4
1970-----	63,417	39,862	62.9	23,555	37.1	19.6	13.3	3.1
RACE								
White:								
1900-----	14,064	7,007	49.8	7,057	50.2	26.0	21.2	4.8
1910-----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	22.3	(NA)
1920-----	21,826	10,511	48.2	11,315	51.8	(NA)	16.0	4.3
1930-----	26,983	13,544	50.2	13,439	49.8	23.6	16.3	4.1
1940-----	31,561	14,418	45.7	17,143	54.3	17.0	7.2	3.7
1950-----	39,044	22,241	57.0	16,803	43.0	23.7	14.1	3.5
1960-----	47,880	30,823	64.4	17,057	35.6	22.5	17.5	3.3
1970-----	56,473	36,946	65.4	19,527	34.6	18.0	11.3	(NA)
Negro and other:								
1900-----	1,900	448	23.6	1,452	76.4	32.4	17.1	4.8
1910-----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	11.5	(NA)
1920-----	2,526	603	23.9	1,923	76.1	(NA)	6.3	4.3
1930-----	2,922	737	25.2	2,185	74.8	15.7	14.7	4.3
1940-----	3,293	778	23.6	2,516	76.4	12.7	7.7	4.1
1950-----	3,783	1,319	34.9	2,464	65.1	14.9	17.1	4.2
1960-----	5,144	1,974	38.4	3,171	61.6	33.0	26.7	4.0
1970-----	6,944	2,916	42.0	4,028	58.0	35.0	24.7	(NA)
RESIDENCE								
Nonfarm:								
1900-----	10,274	3,790	36.9	6,484	63.1	29.7	(NA)	(NA)
1910-----	14,132	5,464	38.6	8,678	61.4	37.5	(NA)	(NA)
1920-----	17,600	7,189	40.8	10,411	59.2	24.5	(NA)	4.2
1930-----	23,300	10,721	46.0	12,579	54.0	32.4	25.0	4.0
1940-----	27,748	11,413	41.1	16,335	58.9	19.1	9.5	3.7
1950-----	37,105	19,802	53.4	17,304	46.6	33.7	25.8	3.4
1960 ³ -----	49,458	30,164	61.0	19,294	39.0	35.3	30.0	3.4
Farm:⁴								
1900-----	5,690	3,665	64.4	2,025	35.6	19.4	(NA)	(NA)
1910-----	6,124	3,847	62.8	2,276	37.2	7.6	(NA)	(NA)
1920-----	6,751	3,925	58.1	2,827	41.9	10.2	(NA)	4.7
1930-----	6,605	3,560	53.9	3,045	46.1	-2.2	-4.6	4.6
1940-----	7,107	3,733	52.5	3,374	47.5	7.6	0.2	4.3
1950-----	5,721	3,768	65.7	1,953	34.3	-10.5	-23.7	4.0
1960 ³ -----	3,566	2,633	73.8	933	26.2	-37.7	-41.7	3.8

NA Not available.

¹ Statistics on the number of occupied units are essentially in terms of "family" applies to figures for 1930 and earlier; "occupied housing unit," 1960 and 1970. For 1910 and 1920, includes the separate private families only.

² Total population, which includes the population in group quarters and quasi-family groups, divided by the number of occupied units. This concept was used for consistency; population counts exclusive of persons in group quarters and quasi-family groups are not available for some of the census years.

³ Not comparable with data for earlier censuses because of a basic change in definition of farm residence. See text, p. 2.

⁴ For 1900 to 1920, includes a small proportion of urban-farm families in addition to rural-farm.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, and unpublished data.

No. 1111. HOUSING UNITS—SELECTED CHARACTERISTICS, BY STATES: 1970

STATE	ALL YEAR-ROUND HOUSING UNITS			OCCUPIED HOUSING UNITS						AVAILABLE HOUSING UNITS	
	Total (1,000)	With all plumbing facilities (percent)	Median ¹ number of rooms	Total (1,000)	Percent—			Median ¹ number of persons	Homeowner vacancy rate ³	Rental vacancy rate ⁴	
					With all plumbing facilities ²		Owner occupied				
					Total	1.01 or more persons per room					
U.S.	67,608	93.1	5.0	63,417	94.0	7.0	62.9	11.0	2.7	1.2	6.5
N.E.	3,844	95.2	5.2	3,645	96.0	5.8	60.9	3.5	2.7	0.8	5.0
Maine	337	84.6	5.2	303	87.7	5.7	70.1	0.5	2.7	1.4	7.2
N.H.	247	93.0	5.2	225	94.6	6.0	68.2	0.5	2.7	1.3	6.6
Vt.	149	91.6	5.5	132	94.1	5.7	69.1	0.4	2.7	1.4	6.6
Mass.	1,836	96.4	5.2	1,760	96.7	5.8	57.5	3.5	2.7	0.7	4.7
R.I.	306	96.9	5.1	292	97.2	5.8	57.9	2.0	2.6	0.7	5.8
Conn.	968	97.3	5.2	933	97.5	6.0	62.5	5.8	2.8	0.7	4.2
M.A.	12,308	96.3	5.1	11,816	96.8	6.3	56.6	10.7	2.7	0.8	3.5
N.Y.	6,129	96.8	4.7	5,803	97.2	7.3	47.3	12.3	2.6	0.7	2.9
N.J.	2,303	97.5	5.2	2,218	97.7	5.0	60.0	10.3	2.8	0.7	3.3
Pa.	3,870	94.9	5.0	3,705	95.6	5.1	68.8	8.3	2.7	0.8	5.0
E.N.C.	13,198	94.7	5.1	12,383	95.7	6.9	67.5	9.3	2.7	1.0	6.7
Ohio	3,447	94.8	5.3	3,289	95.5	6.0	67.7	8.9	2.8	0.9	6.2
Ind.	1,712	93.5	5.0	1,609	94.5	7.3	71.7	6.3	2.7	1.3	8.3
Ill.	3,693	95.2	4.9	3,502	95.9	7.4	59.4	12.0	2.6	1.0	6.5
Mich.	2,842	95.6	5.2	2,653	96.8	7.3	74.4	11.0	2.9	1.1	7.8
Wis.	1,414	92.8	5.2	1,329	94.5	6.7	69.1	3.0	2.7	0.9	4.7
W.N.C.	5,559	96.6	5.0	5,154	93.5	6.4	69.3	4.4	2.5	1.2	8.2
Minn.	1,219	91.8	5.1	1,154	93.5	6.8	71.5	1.6	2.7	0.8	5.8
Iowa	955	92.5	5.3	896	93.9	5.4	71.7	1.2	2.5	1.1	7.5
Mo.	1,664	90.3	4.8	1,521	92.3	7.0	67.2	9.3	2.5	1.4	9.8
N. Dak.	200	86.2	5.0	182	89.9	7.9	68.4	1.9	2.7	1.4	8.1
S. Dak.	222	86.4	5.1	201	90.0	7.2	69.6	3.3	2.6	1.4	8.1
Nebr.	512	93.9	5.1	474	95.6	5.9	66.4	2.8	2.5	1.4	7.7
Kans.	787	94.4	5.1	727	95.8	5.6	69.1	4.7	2.5	1.5	9.3
S.A.	10,132	89.1	5.0	9,433	90.0	6.8	63.5	18.0	2.7	1.4	7.5
Del.	175	94.9	5.7	165	95.5	4.8	68.0	13.1	2.9	1.2	6.6
Md.	1,234	95.5	5.5	1,175	95.9	5.9	58.7	16.2	2.9	1.0	5.1
D.C.	278	97.7	3.9	263	97.8	11.8	28.2	63.7	2.2	1.2	5.3
Va.	1,483	86.6	5.2	1,390	87.9	5.3	62.0	16.3	2.8	1.2	5.7
W. Va.	591	81.6	5.1	546	83.7	5.7	68.9	4.1	2.7	1.2	7.4
N.C.	1,616	84.3	5.0	1,509	85.6	6.6	65.3	10.3	2.9	1.2	7.0
S.C.	805	81.4	5.1	734	82.6	7.1	66.1	25.4	3.0	1.7	9.2
Ge.	1,465	86.7	5.0	1,369	87.7	7.4	61.1	22.4	2.9	1.3	7.3
Fla.	2,485	94.8	4.7	2,282	95.1	7.9	68.5	12.5	2.4	1.8	10.6
E.S.C.	4,164	81.5	4.9	3,865	83.0	6.9	66.6	17.3	2.8	1.2	8.2
Ky.	1,059	79.2	4.9	983	81.1	6.5	66.8	7.1	2.7	1.1	8.5
Tenn.	1,295	85.1	5.0	1,212	86.4	6.7	66.7	13.9	2.8	1.2	7.6
Ala.	1,113	83.1	5.0	1,034	84.3	6.8	66.6	22.5	2.8	1.2	8.5
Miss.	697	75.7	4.9	637	77.3	7.9	66.3	31.1	2.9	1.3	8.6
W.S.C.	6,554	90.6	4.8	5,948	91.8	9.0	65.2	14.6	2.7	1.8	10.6
Ark.	671	81.5	4.7	614	83.2	6.9	66.6	15.6	2.5	1.4	8.3
La.	1,145	88.4	4.8	1,052	89.4	11.3	63.1	26.6	2.9	1.4	9.7
Okla.	936	92.8	4.9	850	94.0	6.2	69.2	9.3	2.4	1.8	11.8
Tex.	3,803	92.3	4.8	3,432	93.5	9.4	64.7	12.1	2.7	1.9	11.0
Mt.	2,718	94.3	4.8	2,518	95.5	8.8	65.5	4.4	2.7	1.4	7.7
Mont.	240	91.0	4.6	217	93.4	8.5	65.7	3.0	2.6	1.3	9.8
Idaho	238	94.7	4.8	218	96.2	8.0	70.1	1.4	2.7	1.2	7.0
Wyo.	114	94.1	4.7	105	95.8	8.1	66.4	2.1	2.6	1.5	8.5
Colo.	742	95.0	4.9	691	96.4	6.4	63.4	3.8	2.6	1.2	6.6
N. Mex.	322	89.4	4.7	289	91.1	11.3	66.4	7.2	3.0	2.7	10.2
Ariz.	578	94.8	4.6	538	95.3	10.4	65.3	6.8	2.7	1.1	7.9
Utah	312	97.3	5.0	298	97.9	10.2	69.3	2.1	3.1	0.7	5.6
Nev.	172	96.8	4.6	160	97.3	8.4	58.5	6.6	2.5	1.9	6.6
Pac.	9,220	97.4	4.7	8,653	97.9	7.5	57.1	9.6	2.5	1.3	6.3
Wash.	1,204	96.6	4.9	1,106	97.4	5.2	66.8	3.9	2.5	1.6	10.8
Oreg.	735	96.4	5.0	692	97.0	5.3	66.1	2.3	2.4	1.1	7.3
Calif.	6,977	97.9	4.7	6,574	98.3	7.7	54.9	9.8	2.5	1.3	5.7
Alaska	88	82.8	4.1	70	86.2	12.2	50.3	15.4	3.2	1.4	6.9
Hawaii	216	94.4	4.6	203	94.7	18.6	46.9	58.4	3.3	1.3	4.5

¹ For definition of median, see preface. ² Includes hot and cold piped water, as well as a flush toilet and bathtub or a shower inside the structure.

³ Base is total of units occupied by

⁴ Base is total of units occupied by

Source: Dept. of Commerce, Bureau of the Census; 1970 Census of Housing, advance report, *General Housing Characteristics*, HC(VI)-1.

No. 1112. HOUSING UNITS, BY GEOGRAPHIC DIVISIONS: 1950 TO 1970

[In thousands, except percent. For composition of divisions, see fig. I, p. xii]

DIVISION	1950			1960			1970	
	Total		Inside SMSA's ¹	Total		Inside SMSA's ¹	Number	Percent
	Number	Percent		Number	Percent			
United States.....	46,137	100.0	27,111	58,326	100.0	36,386	68,631	100.0
New England.....	2,879	6.2	1,930	3,522	6.0	2,360	4,033	5.9
Middle Atlantic.....	9,172	19.9	7,378	11,277	19.3	9,082	12,588	18.3
East North Central.....	9,334	20.2	5,889	11,658	20.0	7,610	13,326	19.4
West North Central.....	4,411	9.6	1,665	5,140	8.8	2,161	5,048	8.2
South Atlantic.....	5,996	13.0	2,736	8,033	13.8	4,124	10,239	14.9
East South Central.....	3,195	6.9	1,021	3,606	6.2	1,308	4,180	6.1
West South Central.....	4,462	9.7	2,007	5,534	9.5	2,899	6,584	9.6
Mountain.....	1,608	3.5	644	2,227	3.8	1,062	2,783	4.0
Pacific.....	5,078	11.0	3,862	7,331	12.6	5,780	9,289	13.5

¹ Covers 212 areas as defined in 1960; for definition of standard metropolitan statistical areas, see text, p. 2.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1950*, Vol. I; *1960*, Vol. I; and *1970 Census of Housing*, advance report, *General Housing Characteristics*, HC(VI)-1.

No. 1113. OCCUPIED HOUSING UNITS—TOTAL, WITH ALL PLUMBING FACILITIES, AND TENURE, BY RACE OF OCCUPANTS: 1960 AND 1970

[In thousands. For definition of standard metropolitan statistical areas (SMSA), see text, p. 2]

ITEM	United States	INSIDE SMSA'S			Outside SMSA's
		Total	In central cities	Outside central cities	
1960					
Occupied units, total.....	53,024	34,000	18,506	15,494	19,024
White, total.....	47,880	30,514	15,662	14,851	17,366
With all plumbing facilities.....	42,190	28,598	14,618	13,080	13,692
Negro and other races, total.....	5,144	3,486	2,844	643	1,658
With all plumbing facilities.....	3,048	2,645	2,256	389	403
Owner occupied.....	32,797	20,086	8,777	11,260	12,761
White.....	30,823	18,812	7,885	10,927	12,012
Negro and other races.....	1,974	1,274	892	333	749
Renter occupied.....	20,228	13,964	9,729	4,235	6,264
White.....	17,067	11,702	7,777	3,925	5,855
Negro and other races.....	3,171	2,262	1,952	310	909
1970					
Occupied units, total.....	63,417	44,064	21,380	22,685	19,353
All races, except Negro.....	57,212	30,305	17,541	21,765	17,307
With all plumbing facilities.....	54,479	(NA)	(NA)	(NA)	(NA)
Negro, total.....	6,205	4,759	3,839	920	1,446
With all plumbing facilities.....	5,155	4,415	3,653	7,622	740
Owner occupied.....	39,862	26,237	10,299	15,938	13,625
All races, except Negro.....	37,284	24,405	8,962	15,443	12,879
Negro, total.....	2,578	1,832	1,337	495	746
Renter occupied.....	23,555	17,827	11,081	6,746	5,728
All races, except Negro.....	19,928	14,900	8,579	6,322	5,028
Negro, total.....	3,627	2,927	2,502	424	700

NA Not available.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*: Vol. I and *1970 Census of Housing*, advance report, *General Housing Characteristics*, HC (VI)-1.

No. 1114. OCCUPIED UNITS—SELECTED CHARACTERISTICS OF OWNER-OCCUPIED AND RENTER-OCCUPIED UNITS, FOR THE UNITED STATES: 1960, 1969, AND 1970

[Percent distribution, except as indicated. Annual averages, except as indicated]

CHARACTERISTIC	1960 ¹			1969			1970		
	Total occupied units	Owner occupied	Renter occupied	Total occupied units	Owner occupied	Renter occupied	Total occupied units	Owner occupied	Renter occupied
Occupied units, percent of total.....	100.0	61.9	38.1	100.0	64.3	35.7	100.0	64.2	35.8
Median ² number of rooms.....	4.9	5.5	3.9	5.2	5.7	4.1	5.2	5.7	4.1
Percent distribution.....	100	100	100	100	100	100	100	100	100
Number of rooms in unit:									
1 room.....	2	6	5	1	3	4	1	3	3
2 rooms.....	4		9	3		6	3		7
3 rooms.....	11	17	23	9	14	22	9	14	21
4 rooms.....	21		28	20		29	19		30
5 rooms.....	26	29	19	26	28	22	26	28	21
6 rooms.....	20	26	10	21	27	10	22	27	11
7 rooms or more.....	16	22	6	20	28	7	20	28	7
Number of housing units in structure:									
1 housing unit.....	76	94	48	74	93	37	74	94	38
2 housing units.....	8	4	13	9	5	17	9	4	18
3 and 4 housing units.....	5	2	12	6	2	13	5	2	11
5-9 housing units.....	11		9	4		11	4		11
10 housing units or more.....			18	8		22	8		22
Plumbing facilities:									
With all facilities.....	84	89	77	93	96	90	95	97	91
Lacking facilities.....	16	11	23	7	4	10	5	3	9
Year structure built:									
1965 or later.....	(X)	(X)	(X)	10	10	8	12	13	9
1960-1964.....	(X)	(X)	(X)	11	12	9	12	13	10
1950-1959.....	27	34	16	19	24	11	19	24	12
1940-1949.....	15	16	13	15	15	15	14	14	13
1939 or earlier.....	58	50	71	45	39	57	43	36	56

 X Not applicable. ¹ April 1. ² For definition of median, see preface.

 Source: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, Nos. 55 and 63.

No. 1115. OCCUPIED UNITS—MONTHLY RENT AND VALUE: 1960, 1969, AND 1970

[Percent distribution, except medians. As of April 1, except as noted. For definition of median, see preface]

MONTHLY RENT OF RENTER-OCCUPIED UNITS	1960	1969 ¹	1970	VALUE OF OWNER-OCCUPIED UNITS	1960	1969 ¹	1970
	100	100	100		100	100	100
Total.....	100	100	100	Total.....	100	100	100
Less than \$40.....	25	9	8	Less than \$5,000.....	12	7	6
\$40-\$59.....	28	15	13	\$5,000-\$9,999.....	26	18	16
\$60-\$79.....	25	22	18	\$10,000-\$14,999.....	29	20	20
\$80-\$99.....	12	17	15	\$15,000-\$19,999.....	18	20	20
\$100-\$119.....	8	14	11	\$20,000-\$24,999.....	7	15	15
\$120-\$149.....		13	14	\$25,000-\$34,999.....		5	12	14
\$150-\$199.....	2	10	10	\$35,000-\$49,999.....	3	8	6
\$200 or more.....		5	5	\$50,000 or more.....		8	3
No cash rent.....	-	-	6				
Median.....	\$58	\$84	\$90	Median.....	\$11,900	\$16,200	\$17,000

 - Represents zero. ¹ Annual averages.

 Source: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111, No. 59 and 1970 Census of Housing, advance report, *General Housing Characteristics*, HC(VI)-1.

No. 1116. HOMEOWNER-OCCUPANCY RATES—INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS, AND REGIONS: 1960 TO 1970

[In percent. Based on the 1960 Current Population Survey; see text, p. 1. For definition of standard metropolitan statistical areas, see text, p. 2. For 1960, covers 108 SMSA's as constituted in April 1960; thereafter, 960. For composition of regions, see fig. 1, p. xii]

AREA	1960	1965	1966	1967	1968	1969	1970
United States.....	62.1	63.3	63.4	63.6	63.9	64.3	64.2
Inside SMSA's.....	59.0	59.7	60.0	60.2	60.5	60.6	60.3
Outside SMSA's.....	66.8	69.1	69.0	70.0	70.3	71.4	71.6
Regions:							
Northeast.....	55.5	57.7	57.7	58.1	59.1	58.8	58.1
North Central.....	66.4	68.6	68.5	68.7	69.9	69.7	69.5
South.....	63.4	64.4	65.3	65.1	65.0	65.5	66.0
West.....	62.2	59.3	60.5	61.0	60.6	61.2	60.0

Source: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-111.

No. 1117. HOMES WITH SELECTED ELECTRICAL APPLIANCES: 1953 TO 1971

[Wired homes in millions. As of January 1. Percentages based on total number of homes wired for electricity]

ITEM	1953		1960		1965		1970		1971	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total number of wired homes.....	42.3	100.0	50.6	100.0	56.4	100.0	62.7	100.0	64.0	100.0
Air-conditioners, room.....	0.6	1.3	6.5	12.8	11.4	20.2	23.0	36.7	26.0	40.6
Bed coverings.....	3.6	8.6	10.8	21.3	18.3	32.4	29.8	47.5	31.7	49.5
Blenders.....	1.5	3.5	3.8	7.5	0.2	11.0	19.9	31.7	23.4	36.5
Can openers.....	(NA)	(NA)	(NA)	(NA)	11.1	19.7	27.1	43.2	29.1	45.5
Coffeemakers.....	21.6	51.0	27.0	53.4	38.6	68.5	54.2	86.4	56.7	88.6
Dishwashers.....	1.3	3.0	3.2	6.3	6.7	11.8	14.9	23.7	17.0	26.5
Disposers, food waste.....	1.4	3.3	4.8	9.5	7.6	13.5	14.4	22.9	16.3	25.5
Dryers, clothes (includes gas).....	1.5	3.6	9.0	17.8	13.7	24.2	25.3	40.3	28.6	44.6
Freezers, home.....	4.9	11.5	11.2	22.1	15.1	26.7	18.6	29.6	20.0	31.2
Frypans.....	(NA)	(NA)	20.6	40.7	27.6	49.0	34.6	55.2	36.0	56.2
Hotplates and buffet ranges.....	9.0	21.2	12.1	23.9	12.7	22.5	15.1	24.1	15.7	24.5
Irons, total.....	37.9	89.6	44.9	88.6	55.4	98.3	62.4	99.5	63.8	99.7
Steam and steam/spray.....	8.3	19.5	28.2	55.7	41.7	73.9	54.6	87.1	56.5	88.2
Mixers.....	12.6	29.7	27.0	53.4	39.7	70.4	51.2	81.7	52.8	82.4
Radios ¹	43.7	96.2	50.0	96.1	55.2	97.9	62.5	99.7	63.9	99.8
Ranges:										
Free-standing.....			15.3	30.3	18.0	31.9	24.0	38.3	25.0	40.5
Built-in.....	10.2	24.1	2.7	5.3	5.4	9.5	9.0	14.4	9.6	15.0
Refrigerators.....	37.8	89.2	49.6	98.0	56.0	99.3	62.6	99.8	63.9	99.8
Television:										
Black and white.....	19.8	46.7	45.5	89.9	53.1	94.1	61.0	98.7	63.2	98.7
Color.....	(X)	(X)	(NA)	(NA)	2.9	5.1	24.0	38.2	27.2	42.5
Toasters.....	30.0	70.9	35.6	70.4	45.8	81.1	57.1	91.0	59.3	92.6
Vacuum cleaners.....	25.1	59.4	36.7	72.5	45.8	81.2	56.9	90.7	58.0	92.0
Washers, clothes.....	32.2	76.2	42.0	83.1	49.0	86.9	57.6	91.9	59.0	92.1
Water heaters.....	5.8	13.8	9.4	18.6	13.1	23.2	18.6	29.6	20.2	31.6

NA Not available. X Not applicable. ¹ Prior to 1970, radio data based on total homes, as follows: 45,464,000 in 1953, 52,000,000 in 1960, and 56,860,000 in 1965.

Source: *Billboard Publications, Inc., New York, N.Y.; Merchandising Week*, annual statistical issues. (Copyright.)

No. 1118. MORTGAGE STATUS OF NONFARM DWELLING UNITS: 1920 TO 1960

[In thousands, except percent. Prior to 1960, excludes Alaska and Hawaii. Data are for owner-occupied units in all types of structures; for 1940 and 1950, for owner-occupied units in 1- to 4-dwelling unit structures without business; and for 1960, for properties with 1- to 4-dwelling units. *Historical Statistics, Colonial Times to 1967*, series N 190-194]

CENSUS YEAR	Owner-occupied units	Reporting mortgage status	MORTGAGED		Not mortgaged	CENSUS YEAR	Owner-occupied units	Reporting mortgage status	MORTGAGED		Not mortgaged
			Number	Percent					Number	Percent	
1920.....	7,041	6,868	2,736	39.8	4,132	19,802	17,796	7,825	44.0	9,971	
1940.....	11,413	10,611	4,805	45.3	5,806	19,802	27,862	15,816	56.8	12,046	

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Housing: 1960*, Vol. I and 1980, Vol. V.

No. 1119. MORTGAGED OWNER-OCCUPIED NONFARM PROPERTIES—MARKET VALUE, MORTGAGE DEBT, AND INTEREST RATE: 1890 TO 1960
 [Prior to 1960, excludes Alaska and Hawaii. For definition of median, see preface]

ITEM	ALL PROPERTIES		1-DWELLING-UNIT PROPERTIES		
	1890	1920	1940	1950	1960
MARKET VALUE AND OUTSTANDING MORTGAGE DEBT					
Total number of properties.....	1,000	810	2,855	4,026	14,454
Number reporting value and debt.....	1,000	(NA)	2,736	3,745	14,454
Total value.....	mil. dol.	2,632	14,099	10,460	106,443
Total debt.....	mil. dol.	1,047	6,000	8,634	28,566
Average value.....	dollars	3,250	4,938	4,403	9,422
Average debt.....	dollars	1,293	2,102	2,305	4,051
Median ratio of debt to value.....		(NA)	(NA)	(NA)	43
INTEREST RATE ON FIRST MORTGAGE LOAN (percent)					
Total properties.....	100.0	100.0	100.0	100.0	100.0
Less than 4.4 percent.....			2.7	26.9	14.7
4.5-4.9 percent.....		1.7	2.0	17.3	26.7
5.0 percent.....		11.0	8.3	19.8	15.1
5.1-5.9 percent.....		2.3	5.9	7.7	16.3
6.0-6.9 percent.....		45.7	59.8	45.0	24.8
7.0-7.9 percent.....		12.5	12.6	4.5	1.5
8.0 percent or more.....		26.8	11.3	2.5	0.9
Median interest rate.....		6.0	6.0	6.0	5.1

NA. Not available. ¹ Estimated from midpoints of distribution.

Source: Prior to 1960, Ratcliff, Rathbun, and Honnold; *Residential Finance, 1960*, John Wiley and Sons, New York, N. Y.; thereafter, Dept. of Commerce, Bureau of the Census; *U. S. Census of Housing: 1960*, Vol. V.

No. 1120. ONE-FAMILY HOMES, FHA-INSURED MORTGAGES—PERCENT DISTRIBUTION BY VALUE AND MORTGAGE CHARACTERISTICS: 1950 TO 1970

ITEM	NEW HOMES					EXISTING HOMES				
	1950	1960	1965	1969	1970	1950	1960	1965	1969	1970
FHA estimate of value:										
Less than \$10,000.....	79.5	2.7	1.0	0.1	(z)	64.9	17.0	8.9	6.7	5.9
\$10,000-\$14,999.....	19.1	53.2	30.0	6.8	2.5	20.9	53.3	39.7	30.4	25.8
\$15,000-\$19,999.....	1.2	37.5	48.9	41.6	26.5	4.5	24.8	37.9	36.0	31.4
\$20,000 and over.....	0.2	6.6	20.1	51.5	71.0	0.7	4.9	13.5	26.9	36.9
Amount of mortgage:										
Less than \$10,000.....	96.3	6.1	2.1	0.3	0.2	89.8	25.9	12.7	9.1	8.0
\$10,000-\$14,999.....	3.5	65.6	39.7	11.2	5.7	9.5	57.2	45.7	34.4	29.4
\$15,000-\$19,999.....	0.2	26.9	45.5	50.0	36.5	0.7	15.7	34.1	37.5	34.1
\$20,000 and over.....	-	1.4	12.7	38.5	57.6	-	1.2	7.5	19.0	28.5
Term of mortgage:										
10, 15, or 20 years.....	(NA)	1.8	0.5	0.3	0.4	(NA)	18.8	6.1	5.1	5.2
25 years.....	(NA)	12.1	3.0	0.6	0.5	(NA)	43.6	16.9	13.8	12.8
30 years.....	(NA)	86.1	59.2	99.1	99.1	(NA)	37.6	74.9	81.1	82.0
35 years.....	(NA)	-	37.3	(z)	(z)	(NA)	-	2.1	-	-
Monthly mortgage payment:										
Less than \$100.....	99.2	42.3	28.1	1.5	0.2	90.4	55.9	35.9	12.9	8.1
\$100-\$119.....	0.6	35.5	30.8	6.6	1.4	2.5	25.3	26.3	15.2	10.2
\$120-\$139.....		10.1	21.6	14.3	5.5		12.5	20.8	18.7	13.7
\$140 and over.....	0.2	6.1	19.5	77.6	92.9	1.1	6.3	17.0	53.2	68.0

- Represents zero. NA. Not available. Z. Less than 0.05 percent.

No. 1121. ONE-FAMILY HOMES, FHA-INSURED MORTGAGES—MEDIAN FOR SELECTED ITEMS OF VALUE AND COST: 1950 TO 1970

[In dollars, except ratios. For definition of median, see preface]

ITEM	NEW HOMES					EXISTING HOMES				
	1950	1960	1965	1969	1970	1950	1960	1965	1969	1970
FHA estimate of value.....	8,286	14,607	16,561	20,213	22,957	8,865	13,043	15,128	16,617	17,773
Acquisition cost.....	(NA)	14,000	16,523	20,189	22,965	(NA)	13,227	15,114	16,694	17,842
Sale price.....	(NA)	14,324	16,190	19,748	22,462	(NA)	12,975	14,733	16,334	17,459
Incidental costs.....	(NA)	286	376	468	513	(NA)	275	322	387	417
Ratio: Value/acquisition cost.....	(NA)	99.2	99.7	99.9	100.0	(NA)	98.1	99.5	99.5	99.6
Mortgage amount.....	7,101	13,569	15,574	18,847	20,927	6,801	11,978	14,232	15,680	16,590
Ratio: Mortgage/value.....	88.0	93.5	94.3	93.7	92.5	77.8	92.6	94.4	95.1	94.3
Price of site.....	(NA)	2,404	3,137	3,874	4,477	(NA)	2,285	2,955	3,322	3,469
Ratio: Site/value.....	(NA)	16.1	18.3	18.2	18.9	(NA)	16.8	19.0	19.6	19.6
Monthly housing cost ¹	75	129	144	205	² 246	79	121	141	178	200

NA. Not available. ¹ Comprises mortgage payment for first year, estimated heating and utilities cost, and estimated upkeep. ² Average. Median not available.

Source of tables 1120 and 1121: Dept. of Housing and Urban Development, *Housing Production and Mortgage Credit—FHA; HUD Statistical Yearbook*.

No. 1122. RESIDENTIAL LOANS UNDERWRITTEN BY FHA AND VA: 1950 TO 1970

[In millions of dollars. FHA-insured loans represent gross amount of insurance written; VA-guaranteed loans, gross amount of loans closed. Figures do not take account of principal repayments on previously insured or guaranteed loans. See also *Historical Statistics, Colonial Times to 1957*, series N 179-185]

LOAN	1950	1955	1960	1965	1966	1967	1968	1969	1970
FHA-insured loans	4,343	3,807	6,293	8,689	7,320	7,150	8,275	9,129	11,909
Home mortgages:									
New properties.....	1,637	1,269	2,197	1,705	1,729	1,369	1,572	1,551	2,667
Existing properties.....	866	1,816	2,403	5,700	4,366	4,516	4,924	5,570	5,447
Project type mortgages.....	1,157	76	711	591	553	642	1,123	1,318	3,178
Property improvement loans ¹	694	640	982	634	641	623	656	693	617
VA-guaranteed loans²	3,072	7,156	1,985	2,652	2,600	3,405	3,774	4,073	3,439
Home mortgages:									
New properties.....	1,865	4,582	1,554	876	980	1,143	1,430	1,493	1,310
Existing properties.....	1,202	2,564	423	1,774	1,618	2,259	2,343	2,579	2,129

¹ Not ordinarily secured by mortgages.

² Includes small amount of alteration and repair loans; only those of more than \$1,000 need be secured.

Source: Board of Governors of the Federal Reserve System. Current data in *Federal Reserve Bulletin*.

No. 1123. CHARACTERISTICS OF VA-GUARANTEED HOME LOANS, BY MONTHLY INCOME OF VETERAN HOME PURCHASERS: 1970

[Based on loan applications submitted to the Veterans Administration for prior approval in 1970. Such loans currently constitute about 90 percent of all primary VA-guaranteed home loans]

ITEM	All incomes	MONTHLY INCOME (after taxes) ¹				
		Less than \$510	\$511-\$600	\$601-\$700	\$701-\$860	\$861 and over
New and existing homes (averages):						
Liquid assets of purchaser.....	\$2,454	\$981	\$1,432	\$1,998	\$2,612	\$4,747
Purchase price.....	\$21,284	\$13,773	\$17,459	\$20,248	\$23,416	\$29,146
Loan amount.....	\$20,720	\$13,578	\$17,126	\$19,788	\$22,830	\$28,162
Down payment.....	\$535	\$195	\$333	\$460	\$583	\$933
Percent of purchase price.....	2.5	1.4	1.9	2.3	2.5	3.4
Percent of liquid assets.....	11.8	7.2	8.4	23.0	22.4	20.7
Monthly income after taxes.....	\$720	\$441	\$556	\$640	\$774	\$1,081
Monthly housing expense ²	\$238	\$164	\$200	\$227	\$260	\$319
Percent of income after taxes.....	33.1	37.2	36.0	35.0	33.6	29.5
Percent of loans.....	100.0	100.0	100.0	100.0	100.0	100.0
New homes.....	34.5	16.9	27.8	36.2	41.7	46.5
Existing homes.....	65.5	84.1	72.2	63.8	58.3	53.5

¹ Excludes social security and retirement deductions, and, in many cases, monthly obligations for long term debts reported at time of loan examination; may include take-home pay of spouse where such income may be properly taken into account in determining borrower's ability to repay loan. ² Repayments of mortgage principal and interest with an additional allowance for taxes, insurance, heat, utilities and maintenance.

Source: Veterans Administration; unpublished data.

No. 1124. HOME LOANS GUARANTEED BY VA—PERCENT DISTRIBUTION, BY SELECTED CHARACTERISTICS: 1960 TO 1970

[Covers veterans regardless of place of residence. Based on complete count of primary loans closed]

ITEM	NEW HOMES					EXISTING HOMES				
	1960	1965	1968	1969	1970	1960	1965	1968	1969	1970
P	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.9	1.0	0.2	0.2	0.1	32.8	10.2	7.9	6.7	5.4	6.8
11.5	4.2	1.3	0.5	0.3	18.4	10.4	9.0	8.1	6.8	6.8
\$12,000-\$14,999.....	39.1	10.8	10.5	5.1	2.3	25.4	21.8	20.4	17.9	15.3
\$15,000-\$17,999.....	29.6	28.7	25.7	18.2	11.8	15.0	25.7	22.3	20.5	18.5
\$18,000-\$19,999.....	10.3	14.0	16.5	15.9	12.4	3.0	9.5	12.2	12.4	14.0
\$20,000-\$21,999.....	3.0	10.3	12.1	13.6	12.2	2.0	7.5	8.8	9.3	9.2
\$22,000-\$24,999.....	3.6	11.7	14.6	17.8	19.3	2.4	7.8	9.7	11.6	13.7
\$25,000 and over.....	1.0	9.4	19.1	28.7	41.6	1.0	7.1	9.1	13.5	17.1
Average purchase price.....\$1,000.....	15.3	18.3	20.5	22.5	24.5	12.2	16.4	17.2	18.2	19.5
Mortgage maturity, total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 25 years.....	1.4	0.9	0.4	0.4	0.4	43.0	9.0	6.5	5.3	5.3
25 years.....	3.9	2.3	1.0	0.9	0.8	31.3	17.0	12.6	11.6	9.8
26-29 years.....	28.6	17.5	23.0	25.4	18.2	3.5	16.1	22.1	23.7	13.4
30 years.....	66.1	79.3	75.6	73.3	80.6	22.2	57.9	58.8	58.9	71.5
Downpayment status, all loans.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
With downpayments.....	30.2	24.4	24.4	25.8	33.1	66.5	31.1	25.0	28.8	29.2
With no downpayments.....	69.8	75.6	75.6	74.2	66.9	33.5	68.9	75.0	71.2	70.8

Source: Veterans Administration; *Loan Guaranty Highlights*.

No. 1125. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1969 TO 1971

[Percent, except as indicated. Monthly averages. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, life insurance companies, mortgage companies, commercial banks, and mutual savings banks]

LOAN CHARACTERISTIC	NEW HOMES					EXISTING HOMES				
	1969		1970		1971, Apr.	1969		1970		1971, Apr.
	Apr.	Oct.	Apr.	Oct.		Apr.	Oct.	Apr.	Oct.	
Contract interest rate.....	7.47	7.98	8.24	8.33	7.36	7.46	7.98	8.19	8.20	7.35
Initial fees and charges ¹	0.96	0.89	1.02	1.05	0.74	0.85	0.91	0.90	0.88	0.74
Term to maturity.....years.....	25.4	25.3	24.8	25.1	26.4	23.0	22.2	22.7	22.8	24.1
Loans to price ratio.....	72.6	72.9	71.3	72.4	73.7	71.8	70.2	70.2	71.5	73.5
Purchase price.....\$1,000.....	34.4	34.6	34.9	34.6	36.5	28.2	28.1	29.6	29.0	31.7

¹ Include only discounts and initial payments that provide additional income to lender; exclude reimbursable closing costs. Expressed as percent of principal mortgage amount.

Source: Federal Home Loan Bank Board; monthly news releases.

No. 1126. ESTIMATED NONFARM REAL ESTATE FORECLOSURES: 1930 TO 1970

[Old series excludes Alaska and Hawaii. Based on data from approximately 1,700 counties, cities, townships, or other government divisions. Represents number of properties acquired through foreclosure proceedings. Excludes voluntary deeds of sale in lieu of foreclosure and defaults on real estate contracts. See also *Historical Statistics, Colonial Times to 1957*, series N 180]

YEAR	Fore-closures (old series)	YEAR	Fore-closures (old series)	YEAR	Fore-closures (old series)	YEAR	FORECLOSURES	
							Old series ¹	New series ²
1930.....	150,000	1955.....	28,529	1963.....	98,195	1967.....	110,541	134,203
1940.....	75,556	1960.....	51,353	1964.....	108,620	1968.....	90,941	110,404
1945.....	12,706	1961.....	73,074	1965.....	116,664	1969.....	(X)	95,856
1950.....	21,537	1962.....	86,444	1966.....	117,473	1970 (prel.).....	(X)	101,016

X Not applicable. ¹N he close of 1968.
²Based on 1967 benchmark the old series. The difference is largely due to understated : : es farin foreclosures, which are relatively insignificant.

Source: Federal Home Loan Bank Board; annual report, *Savings and Home Financing Source Book*.

No. 1127. URBAN RENEWAL PROJECTS—CHARACTERISTICS OF AREAS CLEARED FOR REDEVELOPMENT: 1968

[As of December 31. Includes Puerto Rico and Virgin Islands. Covers all projects that had received Department of Housing and Urban Development authorization of loan or grant contracts. Excludes projects in planning stage and projects terminated prior to completion]

ITEM	Total	Completed	Active	ITEM	Total	Completed	Active
Number of projects.....	1,588	424	1,164	Project land.....1,000 acres.....	115	13	102
Project cost, gross.....mil. dol.....	10,120	908	9,212	For commercial, industrial, or public use.....1,000 acres.....	38	4	34
Proceeds from land.....mil. dol.....	2,204	202	2,002	For public rights-of-way.....1,000 acres.....	45	5	40
Project cost, net ¹.....mil. dol.....	7,916	706	7,210	Rehabilitation projects.....	32	4	28
Federal project grants.....mil. dol.....	5,287	457	4,830	Housing units.....1,000.....	485	39	446
Local grants-in-aid.....mil. dol.....	2,631	249	2,382	Completed or in process.....	233	9	224
Families relocated.....1,000.....	281	(NA)	(NA)	Not started.....1,000.....	125	(2)	116
Standard private housing.....1,000.....	161	(NA)	(NA)	New construction projects.....	108	424	220
Public housing.....1,000.....	52	(NA)	(NA)	Housing units planned on land committed.....1,000.....	644	58	181
Substandard housing.....1,000.....	14	(NA)	(NA)	Completed or in process.....1,000.....	230	6	161
Housing condition unknown.....1,000.....	34	(NA)	(NA)	Not started.....1,000.....	167	52	20

NA Not available. Z Less than 500.
¹ Federal project grants plus local grants-in-aid exceed net project costs by \$1.8 million because no Federal project grant is anticipated in several projects where the local grants-in-aid exceeds net project costs.

Source: Dept. of Housing and Urban Development, Renewal and Housing Management; *HUD Statistical Yearbook*.

No. 1128. URBAN RENEWAL PROGRAM—SUMMARY: 1949 TO 1970

[Money figures in thousands of dollars. Includes Puerto Rico, Guam, and Virgin Islands. Represents Federal grants made to State planning agencies, and metropolitan, regional, or other qualified planning agencies]

ITEM	Cumulative total	NET CHANGE ¹						
		1949-1964	1965	1966	1967	1968	1969	1970
Grant authority reserved	9,291,427	4,312,799	672,162	774,576	646,239	950,136	873,887	1,061,628
Urban renewal projects ²	7,862,421	4,288,549	664,420	790,800	589,514	737,008	277,078	525,057
Neighborhood development programs ³	1,052,860	(X)	(X)	(X)	(X)	82,787	507,393	462,780
Certified area programs ⁴	5,665	(X)	(X)	(X)	(X)	(X)	4,122	2,543
Code enforcement projects ⁵	261,831	(X)	(X)	36,497	49,684	65,372	59,035	51,183
Community renewal programs ⁶	53,280	19,367	3,760	4,147	4,331	10,565	7,172	8,961
Demolition projects ⁷	21,868	(X)	3,058	3,406	2,600	4,041	7,350	1,413
Demonstration programs ⁸	9,715	4,893	924	726	207	428	562	1,075
Interim assistance programs ⁹	18,278	(X)	(X)	(X)	(X)	(X)	10,515	7,763
Grants disbursed	4,889,698	1,144,394	285,138	337,022	431,361	522,509	595,643	1,073,631
Urban renewal projects ²	3,767,821	1,129,807	281,382	330,431	412,107	495,229	436,463	672,400
Neighborhood development programs ³	458,194	(X)	(X)	(X)	(X)	-	120,461	337,730
Certified area programs ⁴	2,603	(X)	(X)	(X)	(X)	(X)	-	2,603
Code enforcement projects ⁵	109,340	(X)	(X)	1,930	13,891	19,417	30,524	43,578
Community renewal programs ⁶	40,696	11,297	3,316	3,476	3,430	5,576	6,305	7,045
Demolition projects ⁷	6,824	(X)	(X)	3,679	1,038	1,906	1,586	2,048
Demonstration programs ⁸	7,071	3,290	440	739	846	481	302	977
Interim assistance programs ⁹	7,247	(X)	(X)	(X)	(X)	(X)	-	7,247
Number of projects	2,923	1,723	191	203	209	199	132	265
Urban renewal projects ²	2,090	1,545	154	113	135	91	-8	60
Neighborhood development programs ³	131	(X)	(X)	(X)	(X)	8	29	04
Certified area programs ⁴	16	(X)	(X)	(X)	(X)	(X)	5	11
Code enforcement projects ⁵	161	(X)	(X)	32	38	37	30	24
Community renewal programs ⁶	251	124	22	19	11	28	17	30
Demolition projects ⁷	130	(X)	3	31	19	25	32	20
Demonstration projects ⁸	109	54	12	8	6	10	5	14
Interim assistance programs ⁹	35	(X)	(X)	(X)	(X)	(X)	23	12

¹ Represents zero. ² X Not approved, cancellations, and terminations. ³ First approval, March 1950. ⁴ First approval, March 1960. ⁵ First approval, January 1966. ⁶ First approval, March 1965. ⁷ First approval, November 1965. ⁸ First approval, March 1953. ⁹ First approval, December 1969.

Source: Dept. of Housing and Urban Development, Renewal and Housing Management; HUD Statistical Yearbook and Report of Urban Renewal Operations.

No. 1129. COMPREHENSIVE PLANNING ASSISTANCE PROGRAM—SUMMARY: 1954 TO 1970

[Money figures in thousands of dollars. Includes Puerto Rico, Guam, and Virgin Islands. Planning grants are made to State planning agencies, and metropolitan, regional, or other qualified planning agencies]

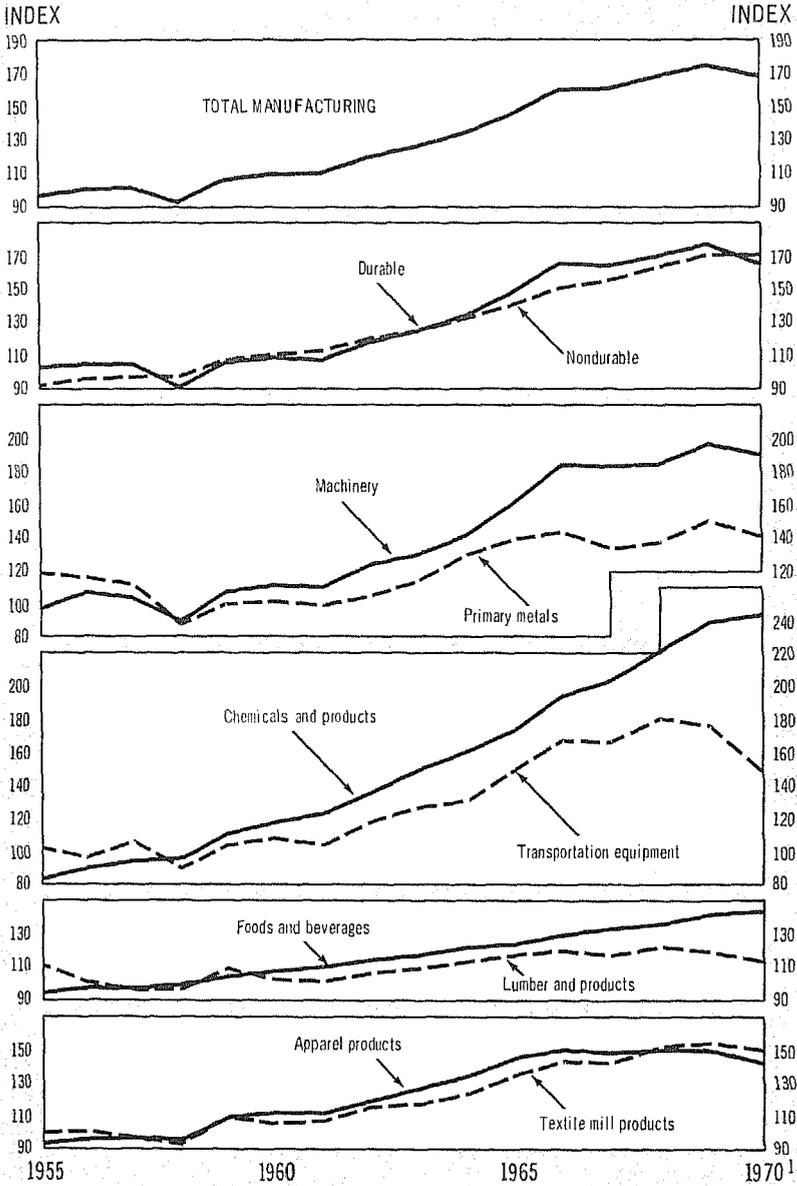
ITEM AND YEAR	Total	TYPE OF PLANNING AREA ASSISTED						
		Small ¹	Redevelopment	Metropolitan, regional, and inter-state	State-wide	Research and demonstration	District ²	Other
Federal grants, total	285,802	79,206	24,458	107,476	46,085	9,668	3,604	15,905
1954-1964	79,178	31,620	11,330	25,333	10,212	-	-	633
1965	20,795	8,013	1,655	7,842	2,161	-	-	1,124
1966	23,475	5,320	5,536	6,400	4,040	538	-	1,632
1967	27,191	6,813	2,249	11,103	3,673	1,774	-	1,570
1968	44,528	13,016	3,688	14,645	6,252	1,584	-	4,443
1969	41,242	11,137	-	21,411	4,487	2,428	867	932
1970	49,393	2,387	-	20,683	15,280	3,344	2,737	4,062
Number of projects, total	5,669	3,097	691	1,149	339	103	35	255
1954-1964	1,841	1,194	211	351	70	-	-	15
1965	445	281	68	68	18	-	-	24
1966	470	206	157	43	22	13	-	29
1967	637	374	73	98	20	33	-	30
1968	1,303	781	192	188	39	16	-	87
1969	656	229	-	209	67	13	14	24
1970	417	32	-	196	103	28	21	37

¹ Represents zero. ² Localities with a population under 50,000. ³ Local Development Districts, Economic Development Districts, and Non-metropolitan Districts, etc.

Source: Dept. of Housing and Urban Development, Community Planning and Management; HUD Statistical Yearbook, and unpublished data.

FIG. XLIV. INDUSTRIAL PRODUCTION INDEXES: 1955 TO 1970

[1957-59=100. See table 1131]



¹ Preliminary.

Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Board of Governors of the Federal Reserve System.

Section 28

Manufactures

This section presents measures of the manufacturing segment of the economy and its component inputs and outputs. The input data include figures for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; and water use. The output data include figures for value and quantity of production and shipments; and value added by manufacture. Both types of data are shown for manufacturing as a whole, for major product groups, and for specific selected products.

The principal sources of these data are the Bureau of the Census reports of the quinquennial Census of Manufactures; the *Annual Survey of Manufactures*; and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as Bureau of Labor Statistics, Statistical Reporting Service of the Department of Agriculture, Bureau of Domestic Commerce, Fish and Wildlife Service, Tariff Commission, and Internal Revenue Service; and by private research or trade associations such as the American Iron and Steel Institute, The National Cannery Association, and the National Association of Hosiery Manufacturers.

Data on financial operations and intercorporate relations of manufacturing corporations are collected from time to time by the Securities and Exchange Commission, the Tariff Commission, and the Federal Trade Commission. Financial statistics for certain manufacturing industries in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are summarized and published for the leading corporations registered with the Securities and Exchange Commission. The Tariff Commission publishes commodity surveys which cover economic and competitive aspects of production, distribution, and international trade in selected important industries. The Federal Trade Commission has made several comprehensive studies of individual industries.

Censuses and annual surveys.—The first Census of Manufactures covered the year 1809. Thereafter, a census was taken at 10-year intervals to 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919, and at 2-year intervals from 1921 through 1939. It was suspended during the World War II period until the 1947 census. Thereafter, censuses were taken covering 1954, 1958, 1963, and 1967.

The *Annual Survey of Manufactures*, conducted for the first time in 1949, carries forward, for the intercensal years, measures of manufacturing activity covered in detail by the quinquennial Census of Manufactures. It provides statistics on employment, payrolls, value added by manufacture, inventories, and new capital expenditures for industry groups, individual industries, geographic divisions, States, and large standard metropolitan statistical areas.

The most recent annual survey is based on a sample of about 65,000 of an approximate total of 300,000 manufacturing establishments. It comprises all large plants, which account for approximately two-thirds of total manufacturing employment in the United States, and a representative selection of the more numerous small plants. Government-owned and -operated establishments are excluded.

Establishments and classification.—The Census of Manufactures for 1947 through 1963 covered operating manufacturing establishments as defined in the *Standard*

Industrial Classification Manual issued by the Office of Management and Budget. The 1967 edition of the *Manual* was used for the 1967 census. Reports were required from all establishments employing one or more persons at any time during the census year. In the 1967 census, reports were required only from establishments with 10 or more employees and establishments operated by multi-establishment companies. Data for single unit companies with less than 10 employees were estimated on the basis of Government administrative records and industry averages. Each of the establishments tabulated was classified in one of the more than 400 manufacturing industries as defined by the Standard Industrial Classification system. This system defines an industry as a number of establishments producing a single product or a closely related group of products. An establishment is classified in a particular industry if its production of this product or product group exceeds in value its production of any other product group. In a few instances, the industry classification of an establishment is determined not only by its product group but also by the processes employed in making the products.

Final reports of the 1958 Census of Manufactures present data based on the classifications in the 1957 edition of the *Standard Industrial Classification Manual* and include 1954 data converted to the same basis. Selected industries were reclassified for the 1963 census. Wherever possible, the corresponding 1958 data were revised to a comparable basis. Because of the revisions in classification, 1954, 1958, 1963, and 1967 census data for some industries and industry groups are not comparable with figures for prior years.

While some establishments produce only the products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the establishments in that industry but also activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of products primary to the industry.

The censuses for 1947 through 1967 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for the annual surveys as for the Census of Manufactures. Consequently, these series may be considered comparable, except for the changes brought about by the revisions in the industry classification system noted above. However, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the fifteenth of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November in order to provide data more comparable with other statistical series. The 1954 figures are an average of reported employment totals for the four specified months, except for highly seasonal industries, where a 12-month average was obtained. For 1958 and later censuses, averages of production workers for the four specified months plus the March figure for "all other employees" were used for all industries.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

Technical Note—Annual Survey of Manufactures

The annual survey estimates vary from the totals that would have been obtained from a complete canvass of all manufacturing establishments. The relative magnitude of this sampling variation, or "Standard error," is given in tables where applicable in the *Annual Survey of Manufactures* reports. It should be interpreted to mean that the sample estimates will differ from complete canvass totals by *less than*: (1) The percentage shown in approximately 2 cases out of 3; (2) twice the percentage shown in approximately 19 cases out of 20; and (3) three times the percentage shown in almost every case. It should be noted that standard errors are shown only for selected items. The standard errors of other measures are usually of the same general magnitude.

In making any study of the trend, it is important to take account of the effect of the sampling variation on the apparent increase or decrease shown between years. In addition to sampling errors, individual figures may be subject to biases arising from undetected response or procedural errors which are not reflected in the "standard errors." Figures are enclosed by parentheses in the original source volumes if (1) the standard error of the estimate exceeds 15 percent, or (2) survey estimates are inconsistent with other census series and related data. Any estimate which can be derived by subtraction of one published figure from another may have a standard error considerably in excess of 15 percent.

No. 1130. MANUFACTURES—SUMMARY: 1947 TO 1969

[Prior to 1958, data are based on censuses through 1967; thereafter, estimates based on sample; see text, pp. 1-8] [Prior to 1958, data are based on censuses through 1967; thereafter, estimates based on sample; see text, pp. 1-8]

ITEM	1947	1954	1958	1963	1967	1968	1969 (prel.)
Establishments, operating, total ¹.....1,000..	241	287	303	312	311	(NA)	(NA)
With 20 or more employees ¹.....1,000..	(NA)	90	95	102	107	(NA)	(NA)
Proprietors and firm members.....1,000..	189	198	186	160	(NA)	(NA)	(NA)
All employees: ²							
Number, annual average ³.....1,000..	14,294	16,099	16,025	16,958	19,323	19,528	20,033
Salaries and wages.....mil. dol.	39,696	65,867	73,349	99,899	132,209	141,832	152,504
Payroll per employee.....dol.	2,777	4,091	4,889	5,891	6,842	7,263	7,013
Production workers:							
Number, annual average.....1,000..	11,918	12,372	11,665	12,232	13,955	14,043	14,356
Man-hours.....mil.	24,316	24,334	22,671	24,510	27,838	28,168	28,581
Man-hours per worker.....dol.	2,040	1,967	1,944	2,004	1,995	2,005	1,991
Wages.....mil. dol.	30,244	44,591	49,574	62,091	81,394	87,486	93,331
Wages per worker.....dol.	2,538	3,605	4,250	5,076	5,833	6,230	6,501
Wages per worker man-hour.....dol.	1.24	1.83	2.19	2.53	2.92	3.11	3.27
Value added by manufacture ⁴.....mil. dol.	74,200	117,032	141,532	192,083	261,084	285,016	305,908
Per production worker.....dol.	6,233	9,459	12,133	15,703	18,773	20,296	21,309
Per dollar of wages.....dol.	2.46	2.62	2.85	3.09	3.22	3.26	3.28
Percent of shipments.....(NA)	(NA)	(NA)	(NA)	45.6	47.0	47.2	47.5
Value of shipments ⁵.....mil. dol.	(NA)	(NA)	(NA)	420,973	557,398	603,379	643,400
Per production worker.....dol.	(NA)	(NA)	(NA)	34,392	39,943	42,967	44,824
Value of inventories.....mil. dol.	26,129	40,341	49,383	59,913	84,406	90,492	96,384
Capital expenditures ⁶.....mil. dol.	5,908	8,201	9,544	11,380	21,503	20,613	22,310

NA Not available. ¹ Beginning 1958, data are based on sample.

² Includes data for employees.

Beginning 1950, includes administrative

construction work.

³ Data for most in-

dustries in 1954 are based on pay periods ending nearest 15th of March, May, August, and November. For 1947,

and industries of a seasonal type in 1954, data represent average of 12 monthly figures.

⁴ Unadjusted for 1947; thereafter, adjusted. Unadjusted value added is obtained by subtracting cost of materials,

supplies, containers, fuel, purchased electric energy, and contract work from value of shipments for products

manufactured plus receipts for services rendered. Adjusted value added also takes into account (a) value added by

merchandising operations (that is, difference between the sales value and cost of merchandise sold without further

manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories

between beginning and end of year. ⁵ Includes extensive and unmeasurable duplication from shipments

between establishments in the same industry classification.

⁶ Beginning 1954, includes plants under construction and not yet in operation.

Source: Dept. of Commerce, Bureau of the Census; 1947, 1954, 1958, 1963, and 1967 Censuses of Manufactures

final reports and *Annual Survey of Manufactures*.

No. 1131. INDUSTRIAL PRODUCTION—INDEXES, BY INDUSTRY: 1950 TO 1971

[1957-59=100. Quarterly data adjusted for seasonal variation. Based on 1957 Standard Industrial Classification. See *Historical Statistics, Colonial Times to 1967*, series P 11 and P 147-168, for indexes on 1947-49 base]

MAJOR INDUSTRY GROUP	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)		1971, 1st qtr. (prel.)
								Total	1st qtr.	
Industrial production.....	75	97	109	143	158	166	173	168	171	165
Manufacturing.....	76	97	109	145	160	167	174	167	170	163
Durable manufactures.....	74	102	109	148	164	170	177	165	171	159
Primary metals.....	100	118	101	138	133	137	149	140	147	147
Fabricated metal products.....	86	98	108	148	162	168	180	172	176	161
Machinery.....	73	97	111	161	183	184	196	190	197	176
Transportation equipment.....	56	102	108	149	166	180	175	148	161	153
Instruments and related products.....	57	89	117	161	185	184	194	187	193	178
Clay, glass, and stone products.....	81	96	108	134	139	146	156	152	142	139
Lumber and products.....	98	110	102	117	117	122	119	113	111	111
Furniture and fixtures.....	79	95	116	157	168	178	187	176	178	173
Miscellaneous manufactures.....	89	101	111	146	167	161	166	163	162	153
Nondurable manufactures.....	76	92	110	141	155	163	171	170	169	168
Textile mill products.....	96	99	105	135	142	152	164	149	154	146
Apparel products.....	82	92	112	145	148	150	149	142	147	142
Leather and products.....	91	98	100	108	106	111	102	96	100	97
Paper and products.....	74	93	108	142	164	164	176	173	176	174
Printing and publishing.....	79	93	110	130	149	150	156	155	155	151
Chemicals and products.....	55	83	117	173	204	222	239	243	242	245
Petroleum products.....	73	94	107	124	133	140	144	148	140	149
Rubber and plastics products.....	70	95	111	172	194	222	239	230	242	229
Food and beverages.....	83	94	107	124	133	136	141	143	136	136
Tobacco products.....	84	88	107	120	120	121	117	122	118	124
Mining.....	83	99	102	115	124	127	130	137	133	138
Utilities.....	50	80	116	161	185	203	221	237	234	245

Source: Board of Governors of the Federal Reserve System; *Industrial Production, 1957-59 Base*, and *Federal Reserve Bulletin*.

No. 1132. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS: 1954 TO 1970

[Ratios of durable to nondurable goods. Prior to 1960, excludes Alaska and Hawaii. As of December 31 or calendar year, manufacturing activities of all companies. See *Historical Statistics, Colonial Times to 1967*, series M 3-1 and M 3-2, for related but not comparable data]

ITEM	1954	1955	1958	1960	1965	1966	1967	1968	1969	1970
Shipments.....	280.3	317.8	327.4	369.6	492.0	538.5	548.5	604.6	656.7	666.6
Durable goods industries.....	141.9	168.9	162.9	189.8	266.6	295.6	299.7	331.8	365.0	361.5
Nondurable goods industries.....	138.3	148.9	164.5	179.7	225.5	242.9	248.9	272.8	291.7	305.1
Inventories.....	41.8	45.2	50.0	53.5	68.0	77.9	82.6	88.2	95.5	99.1
Durable goods industries.....	23.8	26.4	29.9	32.0	41.9	49.5	53.2	57.0	63.1	65.1
Nondurable goods industries.....	18.0	18.8	20.1	21.6	26.1	28.4	29.3	31.2	32.4	34.0
Ratio of inventories to sales ¹	1.81	1.62	1.84	1.76	1.60	1.63	1.78	1.70	1.70	1.77
Durable goods.....	2.05	1.78	2.22	2.08	1.82	1.86	2.09	2.01	2.01	2.15
Nondurable goods.....	1.56	1.47	1.45	1.42	1.84	1.35	1.40	1.33	1.31	1.31
Inventories by stages of fabrication:										
All manufacturing.....	41.8	45.2	50.0	53.5	68.0	77.9	82.6	88.2	95.5	99.1
Materials and supplies.....	16.5	18.2	19.0	19.7	24.1	27.1	27.2	28.6	29.7	30.6
Work in process.....	12.1	13.2	15.0	15.5	21.7	25.9	28.8	30.8	34.5	34.6
Finished goods.....	13.3	13.8	16.1	18.3	22.3	24.9	26.6	28.9	31.3	33.9
New orders.....	267.8	329.1	322.8	361.4	501.6	551.3	551.1	608.0	659.2	660.1
Durable goods industries.....	128.9	179.4	168.0	182.7	275.8	308.5	302.3	335.3	367.5	364.8
Nondurable goods industries.....	138.8	149.6	164.8	178.7	225.8	242.7	248.9	272.7	291.7	305.3
Unfilled orders.....	48.2	60.0	48.4	45.7	67.2	79.9	82.5	85.9	88.4	81.9
Durable goods industries.....	45.2	56.4	45.4	43.1	64.0	76.9	79.5	82.9	85.4	78.8
Nondurable goods industries.....	3.0	3.7	3.1	2.6	3.1	3.0	3.0	3.0	3.0	3.1

¹ Ratios based on average inventories to average monthly sales.

Source: Dept. of Commerce, Bureau of the Census; *Manufacturers' Shipments, Inventories, and Orders: 1947-1963 Revised and 1961-1968*, Series M3-1, and *Current Industrial Reports*, Series M3-1.

No. 1133. NATIONAL INCOME ORIGINATING IN MANUFACTURING: 1947 TO 1969

[In millions of dollars, except percent. Prior to 1963, excludes Alaska and Hawaii. Data represent net value added at factor costs]

ITEM	1947	1954	1958	1963	1965	1967	1968	1969
Total manufacturing.....	59,496	94,583	107,741	143,839	172,572	195,192	213,009	226,227
Percent of national income.....	30	31	29	30	31	30	30	29
Nonurable goods industries.....	28,035	39,627	45,715	57,508	66,482	75,492	81,804	86,953
Durable goods industries.....	31,461	54,896	62,028	80,331	106,090	119,700	131,205	139,274
Percent of total manufacturing.....	53	58	58	60	61	61	62	62

Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1929-1966* and *Survey of Current Business*, July 1969.

No. 1134. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1960 TO 1970

[Includes reexports. World exports are defined as exports from the 14 major countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, Federal Republic of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom]

COMMODITY	U.S. EXPORTS (mil. dol.)				PERCENT OF WORLD EXPORTS TO FOREIGN MARKETS			
	1960	1965	1969	1970	1960	1965	1969	1970
Manufactures, total ¹	12,716	17,648	27,132	29,727	25.3	22.8	22.5	21.3
Nonelectric machinery.....	3,250	5,068	7,223	8,433	32.7	30.9	28.8	28.1
Transport equipment.....	2,671	3,455	6,570	6,544	33.2	28.4	32.4	29.0
Chemicals.....	1,779	2,407	3,393	3,841	29.6	24.7	21.9	21.9
Electric machinery.....	1,090	1,674	2,703	3,034	28.2	24.0	24.4	22.7
Other manufactures.....	3,926	5,044	7,243	7,874	17.6	15.8	14.8	14.0

¹ Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition.

Source: Dept. of Commerce, Bureau of International Commerce; in biweekly magazine, *Commerce Today*.

No. 1135. CAPITAL IN MANUFACTURING INDUSTRIES: 1940 TO 1969

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. Data refer to privately owned manufacturing industries and are based on the fixed capital formation components of the gross national product. For detailed discussion, see source. See also *Historical Statistics, Colonial Times to 1867*, series P 24-26 and, for data in 1947 dollars, series P 20-23 and P 27-29]

ITEM	1940	1950	1955	1960	1965	1966	1967	1968	1969
Purchases of structures and equipment:									
In current dollars.....	1.9	5.5	8.6	10.2	16.7	20.4	20.4	20.3	22.9
Structures.....	.7	1.6	2.7	2.8	4.2	5.3	5.4	5.3	6.0
Equipment.....	1.3	3.9	5.9	7.4	12.5	15.1	15.0	15.1	16.9
In 1958 dollars.....	4.8	7.7	10.1	9.0	15.4	18.2	17.6	17.1	18.4
Structures.....	2.0	2.2	3.2	2.8	3.7	4.5	4.4	4.1	4.3
Equipment.....	2.8	5.5	7.0	7.1	11.7	13.7	13.1	12.9	14.0
Depreciation (declining balance) on structures and equipment: ¹									
In current dollars.....	1.6	4.9	7.1	9.8	11.9	13.3	14.8	16.1	17.5
Structures.....	.6	1.7	2.1	2.8	3.2	3.4	3.7	4.0	4.5
Equipment.....	.9	3.2	5.0	7.0	8.7	9.8	11.1	12.0	13.0
In 1958 dollars.....	4.1	6.8	8.4	9.5	10.9	11.8	12.7	13.4	14.1
Structures.....	2.0	2.3	2.5	2.7	2.8	2.9	3.0	3.1	3.2
Equipment.....	2.1	4.5	5.9	6.8	8.1	8.9	9.7	10.3	10.8
Net investment: ²									
In current dollars.....	.4	.6	1.5	.4	4.8	7.1	5.6	4.3	5.4
Structures.....	—	—	.6	.1	1.0	1.8	1.7	1.2	1.5
Equipment.....	.4	.7	.9	.4	3.8	5.3	4.0	3.1	3.8
In 1958 dollars.....	.7	.9	1.8	.4	4.5	6.4	4.8	3.6	4.3
Structures.....	—	—	.7	.1	.9	1.6	1.4	1.0	1.1
Equipment.....	.7	1.0	1.1	.4	3.5	4.8	3.4	2.6	3.2
Real net value of structures, equipment, and inventories in 1958 dollars:									
Structures and equipment ³	62.9	93.2	116.7	128.4	149.3	170.0	172.9	180.2	187.9
Structures.....	32.8	51.2	62.5	60.3	77.5	83.8	88.7	92.3	96.6
Equipment.....	20.7	24.7	27.9	30.7	32.0	33.5	34.0	35.0	37.0
Inventories.....	12.0	26.6	34.6	38.5	45.3	50.3	53.7	56.4	59.6
	30.1	42.0	54.2	59.2	71.8	80.2	84.2	87.0	91.3

— Represents zero. ¹ Estimates derived by using perpetual inventory method and assuming, in general, service lives of 85 percent of those shown in Internal Revenue Service's Bulletin F. ² Represents the difference between the purchase and depreciation series. ³ Represents real net value of structures and equipment in preceding year plus net investment based on declining balance depreciation for year shown.

Source: Dept. of Commerce, Office of Business Economics; *Survey of Current Business*, April 1970, and unpublished data.

No. 1136. INDEX OF MANUFACTURING CAPACITY: 1950 TO 1971

[1957-59 output=100. Annual figures are averages of quarterly data. Represents estimated quantity of output, relative to output in 1957-59, which the *current* stock of plant and equipment in manufacturing industries was capable of producing]

YEAR	Capacity	YEAR	Capacity	YEAR AND QUARTER	Capacity
1950.....	84	1963.....	150	1970 (prel.).....	218
1955.....	108	1964.....	156	1st qtr. (prel.).....	214
1958.....	126	1965.....	164	2d qtr. (prel.).....	217
1959.....	130	1966.....	175	3d qtr. (prel.).....	220
1960.....	135	1967.....	186	4th qtr. (prel.).....	222
1961.....	140	1968.....	197		
1962.....	144	1969.....	208	1971, 1st qtr. (prel.).....	224

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*, July 1967, and quarterly report, *Capacity*; on data from Federal Reserve Board, Dept. of Commerce, and McGraw-Hill.

No. 1137. MANUFACTURING—RELATION OF OUTPUT TO CAPACITY, BY PROCESSING INDUSTRIES GROUPS: 1950 TO 1971

[Percent. Annual figures are averages of quarterly data. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	All manufacturing	Primary processing	Advanced processing	YEAR AND QUARTER	All manufacturing	Primary processing	Advanced processing
1950.....	90	05	87	1967.....	85	85	86
1955.....	90	93	88	1968.....	85	88	84
1959.....	82	82	81	1969.....	84	87	82
1960.....	81	80	81				
1961.....	79	78	79	1970 (prel.).....	77	80	74
				1st qtr. (prel.).....	80	83	78
1962.....	82	82	83	2d qtr. (prel.).....	78	81	76
1963.....	83	84	83	3d qtr. (prel.).....	76	80	73
1964.....	86	87	84	4th qtr. (prel.).....	72	77	69
1965.....	89	90	88				
1966.....	90	90	90	1971, 1st qtr. (prel.).....	73	78	70

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*, July 1967, and quarterly report, *Capacity*; on data from Federal Reserve Board, Dept. of Commerce, and McGraw-Hill.

No. 1138. MANUFACTURING, EMPLOYMENT, AND VALUE ADDED—PERCENT DISTRIBUTION OF U.S. TOTAL, BY GEOGRAPHIC DIVISIONS: 1947 TO 1968

[For composition of divisions, see fig. I, p. xii]

ITEM	1947	1950	1954	1958	1963	1965	1967	1968 ¹
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
EMPLOYMENT								
New England.....	10.3	9.8	9.0	8.7	8.4	8.2	8.1	7.9
Middle Atlantic.....	27.7	26.9	26.6	25.7	24.0	23.4	22.6	22.2
East North Central.....	30.2	30.0	28.6	26.6	26.4	27.2	26.7	26.5
West North Central.....	5.5	5.6	6.0	6.0	6.0	6.0	6.2	6.3
South Atlantic.....	10.7	11.1	11.0	11.8	12.5	12.7	12.9	13.1
East South Central.....	4.4	4.4	4.5	4.9	5.2	5.6	5.7	5.8
West South Central.....	3.9	4.0	4.5	5.0	5.1	5.3	5.6	5.8
Mountain.....	1.0	1.1	1.1	1.4	1.7	1.6	1.6	1.6
Pacific.....	6.4	7.0	8.8	10.0	10.6	10.0	10.6	10.6
VALUE ADDED ²								
New England.....	9.2	8.3	7.8	7.4	7.1	7.1	7.2	7.0
Middle Atlantic.....	28.0	26.2	26.0	24.6	22.7	22.5	21.9	21.3
East North Central.....	31.6	33.2	31.2	28.9	29.3	30.2	28.6	28.6
West North Central.....	5.5	5.7	6.1	6.3	6.1	6.2	6.4	6.5
South Atlantic.....	9.3	9.4	9.1	10.1	11.0	11.1	11.2	11.4
East South Central.....	3.9	3.8	4.0	4.5	4.8	5.1	5.2	5.4
West South Central.....	4.1	4.3	4.9	5.5	5.7	5.8	6.3	6.4
Mountain.....	1.1	1.2	1.2	1.6	1.8	1.6	1.7	1.8
Pacific.....	7.5	7.9	9.7	11.1	11.5	10.7	11.3	11.6

¹ Preliminary. ² For definition, see footnote 3, table 1143.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1963*, Vol. III; 1967 Census of Manufactures, *General Summary*, MC67(1)-1 and 1950, 1955, and 1968 *Annual Survey of Manufactures*.

Plant and Equipment Expenditures

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No. 1139. MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY MAJOR INDUSTRY GROUPS: 1958 to 1969

[In millions of dollars. Covers establishments in operation and under construction. "N.e.c." means not elsewhere classified]

MAJOR INDUSTRY GROUP	1958	1960	1963	1965	1966	1967	1968	1969 (prel.)
All industries	9,544	10,070	11,370	16,605	20,236	21,503	20,613	22,510
Food and kindred products	1,018	1,042	1,249	1,476	1,692	1,730	1,740	1,897
Tobacco manufactures	48	47	54	59	68	53	50	60
Textile mill products	212	326	382	618	887	738	691	838
Apparel and related products	90	85	129	168	206	208	267	237
Lumber and wood products	287	320	305	482	465	426	484	587
Furniture and fixtures	82	80	110	151	185	198	178	200
Paper and allied products	634	655	709	1,186	1,422	1,585	1,288	1,419
Printing and publishing	422	402	464	543	700	788	767	849
Chemicals and allied products	1,244	1,283	1,646	2,475	2,899	2,936	2,789	2,847
Petroleum and coal products	682	485	414	603	669	999	1,065	1,072
Rubber and plastics products, n.e.c.	197	299	343	516	600	677	780	880
Leather and leather products	32	35	35	46	61	62	79	66
Stone, clay, and glass products	489	541	608	773	939	821	734	926
Primary metal industries	1,544	1,614	1,446	2,257	2,768	3,134	3,102	2,815
Fabricated metal products	464	483	610	805	935	1,118	1,041	1,199
Machinery, except electrical	700	700	783	1,228	1,658	1,868	1,748	1,868
Electrical machinery	468	616	702	1,047	1,382	1,537	1,478	1,643
Transportation equipment	630	725	981	1,879	2,020	1,822	1,699	2,029
	115	170	192	232	307	392	397	396
	186	163	131	166	181	214	209	242
			88	94	174	200	213	180

¹ Includes privately owned and/or operated establishments; excludes government owned and operated.

No. 1140. MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY STATES: 1960 to 1968

[In millions of dollars. 1963 and 1967 data based on complete count; other years based on sample and subject to sampling variability. Covers establishments in operation and under construction]

STATE	1960	1963	1965	1967	1968 (prel.)	STATE	1960	1963	1965	1967	1968 (prel.)
U.S.	10,098	11,370	16,615	21,503	20,590	S.A.—Con.					
N.E.	618	639	856	1,224	1,155	W. Va.	126	173	199	269	210
Maine	55	63	113	99	111	N.C.	240	314	512	665	636
N.H.	26	30	40	76	55	S.C.	144	180	283	417	401
Vt.	14	16	36	35	40	Ga.	173	202	309	423	419
Mass.	289	273	343	494	449	Fla.	153	191	298	301	288
R.I.	36	43	54	75	92	E.S.C.	570	747	1,103	1,406	1,303
Conn.	198	215	270	446	408	Ky.	114	224	224	338	370
M.A.	2,056	2,086	2,791	3,768	3,687	Tenn.	213	245	390	412	452
N.Y.	742	784	1,098	1,310	1,314	Ala.	202	147	372	379	338
N.J.	473	525	618	824	767	Miss.	41	131	117	276	144
Pa.	842	778	1,075	1,633	1,606	W.S.C.	790	921	1,521	2,404	2,331
E.N.C.	3,007	3,221	5,337	6,059	5,895	Ark.	70	73	104	173	161
Ohio	306	848	1,332	1,694	1,760	La.	139	211	344	741	615
Ind.	540	555	1,050	1,094	1,000	Okla.	66	64	67	81	88
Ill.	719	776	1,148	1,493	1,488	Tex.	515	574	1,006	1,409	1,467
Mich.	666	762	1,453	1,360	1,170	Mt.	220	247	314	429	406
Wis.	277	281	354	507	477	Mont.	18	39	31	69	35
W.N.C.	518	665	797	1,051	1,008	Idaho	37	28	81	58	43
Minn.	117	159	160	231	259	Wyo.	11	14	9	8	10
Iowa	138	127	184	231	225	Colo.	60	68	85	100	138
Mo.	160	211	278	347	301	N. Mex.	19	10	13	11	12
N. Dak.	2	8	11	6	6	Ariz.	35	60	52	110	115
S. Dak.	8	7	11	8	11	Utah.	34	30	25	59	39
Nebr.	34	46	57	71	69	Nev.	5	9	17	15	14
Kans.	59	106	95	156	138	Pac.	1,103	1,290	1,685	2,269	2,166
S.A.	1,214	1,570	2,236	2,806	2,640	Wash.	144	143	243	465	370
Del.	32	89	70	116	95	Oreg.	120	132	231	234	225
Md.	179	176	225	252	240	Calif.	775	985	1,181	1,529	1,541
D.C.	22	13	13	17	20	Alaska	4	15	13	15	14
Va.	143	232	328	347	333	Hawaii	61	15	17	26	16

¹ U.S. totals based on industry rather than State detail; therefore, breakdown will not add to total.

Source of tables 1139 and 1140: Dept. of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1968, and 1963*, Vol. 1; 1967 Census of Manufactures, *Expenditures for Plant and Equipment*, MC 67(1)-5 and *Annual Survey of Manufactures*.

No. 1141. MANUFACTURES SUMMARY

[Data based on various editions of the *Standard Industrial Classification Manual* published by

INDUSTRY GROUP	In- dustry code ¹	1963			1967			
		All employees		Value added by manu- facture ³	Estab- lish- ments	All employees		Value added by manu- facture ³
		Num- ber ²	Pay- roll			Num- ber ²	Pay- roll	
		1,000	Mil. dol.	Mil. dol.		1,000	Mil. dol.	Mil. dol.
1 All manufacturing establish- ments, incl. administrative and auxiliary units.....	(X)	16,958	99,899	192,083	311,140	19,323	132,209	261,984
2 Operating manufacturing estab- lishments only.....	(X)	16,232	93,283	192,083	305,680	18,492	123,481	261,984
3 Food and kindred products.....	20	1,643	8,637	21,825	32,518	1,650	10,077	26,621
4 Meat products.....	201	300	1,641	2,883	4,914	310	1,954	3,651
5 Dairy products.....	202	267	1,394	3,185	6,188	232	1,449	3,466
6 Canned, cured, and frozen foods.....	203	245	960	2,779	3,528	260	1,231	3,588
7 Grain mills.....	204	113	647	2,271	3,202	112	768	2,882
8 Bakery products.....	205	280	1,513	3,031	4,390	264	1,665	3,406
9 Sugar.....	206	32	189	591	182	31	210	652
10 Confectionery and related products.....	207	78	360	956	1,240	83	434	1,248
11 Beverages.....	208	205	1,225	3,725	4,376	221	1,625	4,790
12 Misc. foods and kindred products.....	209	134	718	2,406	4,408	137	861	2,949
13 Tobacco manufactures.....	21	77	331	1,681	329	75	377	2,032
14 Cigarettes.....	211	36	183	1,310	16	37	221	1,640
15 Cigars.....	212	21	68	193	148	19	71	196
16 Chewing and smoking tobacco.....	213	4	18	74	46	4	18	64
17 Tobacco stemming and redrying.....	214	17	61	103	119	16	66	133
18 Textile millinery.....	22	863	3,385	6,123	7,080	929	4,391	8,153
19 Textile millinery, except wool.....	221	209	772	1,257	393	203	938	1,624
20 Textile finishing, except wool.....	222	88	366	662	399	109	529	922
21 Floor covering mills.....	223	47	203	387	310	42	216	429
22 Yarn and thread mills.....	224	23	92	172	384	26	121	214
23 Misc. textile goods.....	225	221	788	1,396	2,698	241	1,036	1,914
24 Textile finishing, except wool.....	226	71	337	582	641	74	416	710
25 Floor covering mills.....	227	36	152	395	385	44	228	599
26 Yarn and thread mills.....	228	103	359	652	768	119	505	946
27 Misc. textile goods.....	229	66	317	620	1,105	72	401	795
28 Apparel and related products.....	23	1,279	4,423	7,861	26,393	1,357	5,532	10,064
29 Men's and boys' suits and coats.....	231	123	494	832	1,003	136	642	1,048
30 Women's and girls' suits and coats.....	232	306	900	1,618	2,853	345	1,212	2,181
31 Children's outerwear.....	233	405	1,428	2,460	9,416	409	1,766	3,183
32 Fur goods.....	234	114	379	741	1,213	114	444	867
33 Misc. apparel and accessories.....	235	31	116	185	843	24	102	164
34 Children's outerwear.....	236	82	265	467	1,334	78	298	538
35 Fur goods.....	237	9	56	111	1,304	9	59	117
36 Misc. apparel and accessories.....	238	61	209	376	1,397	71	285	510
37 Misc. fabricated textile products.....	239	148	579	1,071	7,030	173	786	1,467
38 Lumber and wood products.....	24	563	2,339	4,021	36,795	554	2,799	4,973
39 Logging camps and contractors.....	241	73	282	521	16,334	71	339	695
40 Sawmills and planing mills.....	242	243	936	1,573	11,461	216	1,028	1,784
41 Millwork, plywood, related prod.....	243	147	727	1,240	4,558	154	896	1,505
42 Wooden containers.....	244	31	112	174	905	31	135	239
43 Misc. wood products.....	249	69	283	514	3,637	83	401	750
44 Furniture and fixtures.....	25	377	1,727	3,068	10,008	425	2,258	4,170
45 Household furniture.....	251	270	1,150	2,048	6,306	298	1,456	2,650
46 Office furniture.....	252	26	143	285	365	35	225	478
47 Public building furniture.....	253	17	83	142	438	23	132	234
48 Partitions and fixtures.....	254	45	262	433	1,970	48	324	587
49 Misc. furniture and fixtures.....	259	18	89	160	929	22	121	221
50 Paper and allied products.....	26	588	3,508	7,396	5,890	639	4,436	9,756
51 Pulp mills.....	261	15	107	296	61	15	126	334
52 Paper mills, except building paper.....	262	130	878	1,867	354	140	1,121	2,366
53 Paperboard mills.....	263	63	429	1,186	283	67	534	1,509
54 Misc. converted paper products.....	264	167	917	1,962	2,492	187	1,187	2,833
55 Paperboard containers and boxes.....	265	201	1,107	1,941	2,606	219	1,387	2,541
56 Building paper and board mills.....	266	12	70	163	94	12	83	184

For footnotes, see pp. 694 and 695.

Industry Groups

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FOR INDUSTRY GROUPS: 1963, 1967, AND 1969

the Office of Management and Budget; see text, pp. 683 and 684)

1967—Con. Value of shipments ¹	1969									
	All employees		Production workers			Value added by manufacture ³	Value of shipments ⁴	End of year inventories	Capital expenditures, new ⁵	
	Number ²	Payroll	Number ²	Man-hours	Wages					
<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	
557,398	20,033	152,504	14,356	28,581	93,331	305,908	643,490	96,384	22,310	1
557,398	19,144	142,323	14,356	28,581	93,331	305,908	643,490	96,384	22,310	2
83,975	1,656	11,186	1,132	2,263	6,773	30,120	93,527	8,513	1,897	3
21,520	311	2,176	251	610	1,609	4,112	24,878	818	249	4
12,815	213	1,457	100	205	821	3,529	13,446	492	195	5
9,232	271	1,410	234	442	1,098	4,076	10,705	2,574	281	6
9,895	112	850	78	168	538	3,312	10,890	772	194	7
6,467	268	1,831	162	325	980	3,873	7,041	231	187	8
2,305	31	231	26	54	179	704	2,469	452	67	9
2,694	83	485	69	134	352	1,370	3,056	461	77	10
9,103	227	1,727	118	231	821	5,676	11,090	1,049	447	11
9,945	139	962	95	195	567	3,469	10,451	1,064	200	12
4,904	72	410	63	117	328	2,385	5,151	2,296	60	13
3,045	37	240	33	60	209	1,963	3,343	1,405	36	14
364	18	75	16	30	61	206	370	60	3	15
122	4	24	3	6	15	81	155	49	3	16
1,373	14	63	11	22	44	136	1,283	782	18	17
19,815	972	5,149	862	1,750	4,144	9,672	23,113	3,553	838	18
3,328	162	832	150	311	730	1,392	2,988	526	94	19
2,290	141	781	128	271	663	1,367	3,111	498	117	20
1,090	37	206	33	67	163	386	926	147	20	21
445	29	145	26	51	114	279	665	89	19	22
4,519	268	1,297	236	448	1,014	2,459	5,594	875	191	23
1,735	75	459	63	135	354	820	1,945	207	66	24
1,757	55	327	46	97	284	851	2,414	460	108	25
2,609	130	631	120	241	537	1,172	3,135	377	139	26
2,042	75	470	61	128	335	947	2,435	375	89	27
21,327	1,383	6,402	1,212	2,202	4,943	11,639	24,250	3,313	297	28
1,912	139	759	121	226	600	1,259	2,294	417	34	29
4,738	344	1,358	309	570	1,106	2,513	5,302	877	64	30
6,534	420	2,021	364	642	1,527	3,600	7,349	805	84	31
1,780	115	500	100	178	376	951	1,887	316	19	32
307	22	102	20	36	80	184	341	41	4	33
1,128	77	321	67	121	245	594	1,302	159	10	34
333	8	61	7	13	50	123	324	34	2	35
1,097	74	329	65	116	244	634	1,319	167	12	36
3,498	185	951	189	301	716	1,781	4,133	498	78	37
11,206	565	3,233	503	987	2,623	6,359	14,031	1,812	537	38
1,476	74	393	70	127	349	868	1,901	174	133	39
3,998	214	1,178	194	382	997	2,326	4,090	729	230	40
3,653	161	1,057	137	277	809	1,993	4,679	573	119	41
530	28	133	26	50	110	243	561	68	12	42
1,549	88	473	76	152	357	929	1,900	268	93	43
7,750	456	2,679	382	760	1,955	5,056	9,252	1,408	200	44
5,111	316	1,726	272	542	1,304	3,192	6,067	879	124	45
781	40	281	31	63	196	591	965	187	24	46
421	20	119	16	31	70	240	422	86	12	47
1,011	57	406	44	89	275	726	1,249	174	22	48
426	24	148	19	35	100	297	640	103	18	49
20,970	664	5,152	526	1,119	3,726	11,284	24,054	2,567	1,419	50
731	15	148	12	27	112	382	854	93	133	51
4,844	141	1,281	114	254	979	2,677	5,620	616	552	52
2,907	68	604	55	122	466	1,659	3,371	199	166	53
6,210	197	1,402	163	318	959	3,321	7,009	837	266	54
5,937	230	1,618	182	376	1,128	3,018	6,781	787	280	55
341	13	99	11	23	81	226	419	35	33	56

No. 1141. MANUFACTURES SUMMARY

[See headnote,

	INDUSTRY GROUP	In- dustry code ¹	1963			1967			
			All employees		Value added by manu- facture ³	Estab- lish- ments	All employees		Value added by manu- facture ³
			Num- ber ²	Pay- roll			Num- ber ²	Pay- roll	
			1,000	Mil. dol.	Mil. dol.		1,000	Mil. dol.	Mil. dol.
1	Printing and publishing.....	27	913	5,515	10,476	37,989	1,031	7,152	14,355
2	Newspapers.....	271	306	1,785	3,202	8,094	336	2,224	4,185
3	Periodicals.....	272	68	461	1,849	2,510	79	634	1,869
4	Books.....	273	83	495	1,354	1,766	97	688	1,967
5	Misc. publishing.....	274	23	130	253	1,493	31	197	418
6	Commercial printing.....	275	300	1,852	2,961	10,497	331	2,368	3,944
7	Manifold business forms.....	276	29	173	378	542	34	240	551
8		277	22	106	205	222	28	151	372
9		278	42	206	340	1,402	54	294	506
10		279	41	306	434	2,403	42	366	544
11	Chemicals and allied products....	28	737	4,970	17,586	11,799	841	6,443	23,550
12	Industrial chemicals.....	281	237	1,763	6,171	2,032	248	2,090	7,737
13	Plastics materials, synthetics.....	282	144	974	2,865	771	172	1,292	3,799
14	Drugs.....	283	99	674	2,807	1,129	118	942	4,073
15	Soap, cleaners, toilet goods.....	284	86	526	2,866	2,508	97	684	3,930
16	Paints and allied products.....	285	61	401	1,112	1,701	66	492	1,319
17	Gum and wood chemicals.....	286	7	33	100	184	6	34	101
18	Agricultural chemicals.....	287	43	213	628	1,278	46	281	1,006
19	Misc. chemical products.....	289	61	386	1,036	2,196	88	628	1,687
20	Petroleum and coal products....	29	153	1,134	3,714	1,880	142	1,216	5,426
21	Petroleum refining.....	291	110	922	3,138	437	107	965	4,745
22	Paving and roofing materials.....	295	25	145	356	1,098	27	189	456
23	Misc. petroleum and coal products..	299	9	67	220	345	8	65	225
24	Rubber and plastics prod., n.e.c.	30	414	2,364	4,664	6,456	517	3,287	6,800
25	Tires and inner tubes.....	301	85	622	1,322	182	93	775	1,823
26	Rubber footwear.....	302	29	130	217	65	29	141	245
27	Reclaimed rubber.....	303	2	14	27	24	2	12	23
28	Fabricated rubber products, n.e.c.	306	132	761	1,427	1,189	142	923	1,741
29	Misc. plastics products.....	307	166	838	1,661	4,996	252	1,436	2,998
30	Leather and leather products.....	31	327	1,228	2,079	3,685	329	1,459	2,627
31	Leather tanning and finishing.....	311	31	163	273	519	31	186	319
32	Industrial leather belting.....	312	3	16	33	67	3	16	32
33	Footwear cut stock.....	313	14	63	91	379	14	60	109
34	Footwear, except rubber.....	314	213	753	1,280	1,083	211	889	1,620
35	Leather gloves and mittens.....	315	8	24	32	147	6	22	36
36	Luggage.....	316	16	63	113	333	21	97	180
37	Handbags and personal leather goods.....	317	37	136	225	792	37	163	279
38	Leather goods, n.e.c.....	319	5	19	33	365	6	26	46
39	Stone, clay, and glass prod.....	32	574	3,213	7,044	15,580	590	3,826	8,333
40	Flat glass.....	321	23	172	364	64	24	197	423
41	Glass, glassware, pressed or blown..	322	98	535	1,102	305	109	688	1,601
42	Products of purchased glass.....	323	26	138	310	837	29	182	394
43	Cement, hydraulic.....	324	35	227	786	197	33	248	812
44	Structural clay products.....	325	65	321	554	851	60	344	612
45	Pottery and related products.....	326	42	213	398	610	43	247	419
46	Concrete, gypsum, plaster products..	327	166	906	2,122	10,004	169	1,103	2,478
47	Cut stone and stone products.....	328	18	86	131	811	17	91	148
48	Misc. nonmetallic mineral products..	329	101	614	1,337	1,842	106	726	1,647
49	Primary metal industries.....	33	1,126	7,734	15,068	6,837	1,281	9,851	19,978
50	Blast furnace and basic steel prod..	331	599	4,168	8,424	861	617	5,022	10,170
51	Iron and steel foundries.....	332	200	1,234	1,960	1,438	233	1,641	2,631
52	Primary nonferrous metals.....	333	49	328	1,014	144	63	405	1,382
53	Secondary nonferrous metals.....	334	15	96	228	403	17	123	271
54	Nonferrous rolling and drawing.....	335	167	1,094	2,123	833	195	1,438	3,325
55	Nonferrous foundries.....	336	69	412	657	1,886	90	609	1,068
56	Misc. primary metal products.....	339	58	402	658	1,272	75	613	1,132

For footnotes, see pp. 694 and 695.

FOR INDUSTRY GROUPS: 1963, 1967, AND 1969—Continued

pp. 690 and 691]

1967—Con.	1969									
	All employees		Production workers			Value added by manuf-acture ³	Value of ship-ments ⁴	End of year inven-tories	Capital ex-pendit-ures, new ⁵	
	Num-ber ²	Pay-roll	Num-ber ²	Man-hours	Wages					
<i>Mil. dol.</i>	<i>1,000</i>	<i>Mil. dol.</i>	<i>1,000</i>	<i>Mil.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>		
21,738	1,082	8,290	661	1,249	4,669	16,615	25,068	2,177	849	1
5,767	354	2,570	177	314	1,290	4,979	6,752	109	263	2
3,096	85	724	17	29	105	2,075	3,420	225	74	3
2,922	99	781	50	100	345	2,103	3,185	675	84	4
605	34	237	16	27	92	461	668	47	10	5
6,533	343	2,763	275	533	1,994	4,692	7,680	692	307	6
932	38	205	29	60	196	676	1,167	123	49	7
518	28	160	15	28	78	423	613	191	24	8
722	55	331	47	89	249	579	828	91	21	9
653	44	421	35	69	320	637	755	35	17	10
42,148	883	7,585	575	1,141	4,160	27,177	48,165	6,164	2,847	11
14,081	260	2,466	187	346	1,418	8,718	15,925	1,986	1,373	12
7,337	186	1,559	132	263	980	4,718	8,744	1,063	696	13
5,302	126	1,143	80	130	490	4,753	6,228	919	287	14
6,511	104	806	64	126	402	4,671	7,620	802	134	15
2,911	67	541	37	74	245	1,478	3,191	467	70	16
216	6	36	5	9	25	103	229	48	9	17
2,745	42	293	27	56	162	997	2,750	484	144	18
3,046	93	752	63	125	438	1,740	3,478	396	134	19
22,043	142	1,368	98	197	857	5,725	24,411	2,170	1,072	20
20,294	108	1,088	75	146	684	4,946	22,470	2,027	1,023	21
1,182	26	209	18	42	141	534	1,326	71	37	22
567	9	71	5	9	32	245	615	72	12	23
12,759	570	4,040	452	918	2,851	8,495	15,728	2,057	880	24
3,734	103	1,003	80	167	754	2,300	4,717	635	342	25
427	29	153	26	48	122	279	467	119	10	26
44	2	13	1	3	10	22	45	7	1	27
3,130	140	1,055	111	224	710	1,998	3,513	463	124	28
5,415	290	1,816	235	477	1,257	3,896	6,987	834	403	29
5,169	334	1,598	295	544	1,257	2,944	5,562	738	66	30
870	29	180	25	48	143	317	860	136	16	31
54	6	17	2	4	11	34	56	8	1	32
263	17	66	15	28	50	121	269	30	5	33
2,952	211	989	100	347	801	1,850	3,246	418	33	34
87	6	23	5	9	19	36	92	14	1	35
334	22	109	19	35	80	223	381	55	6	36
514	38	181	34	64	135	315	557	62	4	37
97	6	25	5	10	18	50	90	16	1	38
14,449	612	4,466	487	991	3,268	10,049	17,075	2,082	926	39
611	22	210	18	38	168	514	722	101	56	40
2,239	118	846	104	204	701	1,868	2,688	340	208	41
795	34	237	28	56	173	508	1,051	172	40	42
1,247	31	274	25	51	211	893	1,392	204	97	43
922	60	385	50	101	282	793	1,078	202	54	44
605	42	263	36	70	206	471	660	96	37	45
5,000	174	1,282	126	266	843	2,910	5,722	421	308	46
236	16	93	14	27	73	151	244	31	6	47
2,795	115	876	88	178	611	2,030	3,517	515	127	48
46,731	1,305	11,389	1,060	2,163	8,634	22,714	55,152	8,473	2,815	49
23,121	621	5,799	502	1,014	4,433	11,280	26,345	4,618	1,703	50
4,289	236	1,903	201	415	1,518	3,187	5,021	495	228	51
3,714	64	534	52	106	403	1,926	5,665	708	237	52
1,586	18	142	14	29	93	360	1,895	208	46	53
9,925	198	1,649	153	321	1,171	3,470	11,609	1,880	388	54
1,922	92	684	77	154	523	1,232	2,195	194	111	55
2,173	77	678	61	125	493	1,260	2,422	371	102	56

[See headnote,

	INDUSTRY GROUP	In- dus- try code ¹	1963			1967			
			All employees		Value added by manu- facture ³	Estab- lish- ments	All employees		Value added by manu- facture ³
			Num- ber ²	Pay- roll			Num- ber ²	Pay- roll	
			<i>1,000</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>		<i>1,000</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
1	Fabricated metal products.....	34	1,131	6,834	12,691	27,418	1,342	9,320	18,043
2	Metal cans.....	341	53	377	831	299	60	474	1,142
3	.....	342	137	800	1,708	1,939	156	1,043	2,318
4	.....	343	68	301	791	838	65	428	872
5	.....	344	326	1,923	3,220	10,151	388	2,687	4,934
6	Screw machine products, bolts, etc...	345	95	584	1,054	2,536	116	847	1,621
7	Metal stampings ⁴	346	182	1,225	2,281	2,710	226	1,686	3,031
8	Metal services, n.e.c.....	347	66	331	555	4,684	81	481	864
9	Misc. fabricated wire products.....	348	56	298	530	1,550	60	364	670
10	Misc. fabricated metal prod.....	349	150	907	1,714	2,711	189	1,309	2,591
11	Machinery, exc. electrical.....	35	1,460	9,571	17,495	37,892	1,865	14,226	27,836
12	Engines and turbines.....	351	87	609	1,114	182	100	820	1,698
13	Farm machinery.....	352	113	689	1,328	1,618	136	947	2,042
14	Construction and related machinery.....	353	211	1,361	2,735	2,305	273	2,041	4,130
15	Metalworking machinery.....	354	259	1,842	3,038	9,439	337	2,860	5,091
16	Special industry machinery.....	355	172	1,095	1,917	3,312	207	1,570	2,880
17	General industrial machinery.....	356	233	1,542	2,813	3,760	279	2,137	4,107
18	Office and computing machines.....	357	137	945	1,818	594	190	1,462	3,332
19	Service industry machines.....	358	113	674	1,369	1,573	140	947	2,125
20	Misc. machinery, except electrical.....	359	136	794	1,366	15,109	203	1,443	2,631
21	Electrical equip. and supplies.....	36	1,512	9,284	17,011	10,706	1,875	12,968	24,487
22	Electric test and distributing equip.....	361	132	822	1,535	1,218	176	1,230	2,609
23	Electrical industrial apparatus.....	362	161	1,005	1,899	1,316	207	1,420	2,792
24	.....	363	146	864	2,097	637	169	1,101	2,540
25	.....	364	133	710	1,560	1,868	167	950	2,214
26	.....	365	91	459	1,037	661	130	720	1,587
27	Communication equipment.....	366	477	3,395	5,342	1,402	525	4,397	6,993
28	Electronic components, accessories.....	367	288	1,536	2,508	2,439	403	2,435	4,359
29	Misc. electrical equipment, supplies.....	369	84	495	1,042	1,165	107	715	1,404
30	Transportation equipment.....	37	1,548	11,381	21,818	7,483	1,834	15,174	28,174
31	Motor vehicles and equipment ⁵	371	644	4,741	11,869	2,675	739	5,930	13,666
32	Aircraft and parts.....	372	677	5,228	7,831	1,273	802	7,209	11,827
33	Ship and boat building and repairing.....	373	140	898	1,193	2,011	169	1,239	1,705
34	Railroad equipment.....	374	45	302	541	123	57	427	788
35	Motorcycles, bicycles, and parts.....	375	10	43	82	91	12	70	136
36	Misc. transportation equipment.....	379	34	163	301	1,310	55	298	551
37	Instruments and related prod.....	38	305	1,913	3,992	4,453	394	2,822	6,418
38	Engineering, scientific instruments.....	381	33	208	359	677	46	327	617
39	.....	382	94	581	1,112	766	104	732	1,392
40	.....	383	12	79	132	303	21	163	284
41	.....	384	51	291	635	1,466	67	427	966
42	.....	385	20	96	178	461	26	143	286
43	.....	386	65	499	1,270	557	95	820	2,481
44	Watches, clocks, and watchcases.....	387	30	158	307	223	35	209	393
45	.....eries	39	639	3,795	6,461	14,489	824	5,819	10,187
46	.....ware	391	43	226	416	2,212	52	320	641
47	.....	393	20	103	179	343	25	144	238
48	.....	394	113	461	979	2,435	116	559	1,205
49	.....	395	32	160	338	950	35	200	412
50	.....	396	53	214	415	1,608	52	252	528
51	.....nance) ⁶	399	370	2,631	4,155	6,932	544	4,345	7,163
52	Administrative and auxiliary ⁷	(X)	728	6,615	(X)	5,460	831	8,728	(X)

X Not applicable. ¹ Standard Industrial Classification code.² "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March.³ Value of shipments less cost of materials, supplies, containers, fuels, purchased electricity, and contract work, work-in-process inventory, and value added in merchandising activities of establishments receiving shipments from shipments between establishments in the same industry classification.⁴ Includes expenditures for plants in operation and plants under construction but not yet in operation.⁵ Value of production. The formula for computing adjusted value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.

FOR INDUSTRY GROUPS: 1963, 1967, AND 1969—Continued

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1967—Con.	1969									
	All employees		Production workers			Value added by manu- facture ³	Value of ship- ments ⁴	End of year inventories	Capital ex- penditures, new ⁵	
	Number ²	Payroll	Number ²	Man- hours	Wages					
<i>Mil. dol.</i>	<i>1,000</i>	<i>Mil. dol.</i>	<i>1,000</i>	<i>Mil.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>		
34,578	1,403	10,792	1,100	2,244	7,567	20,841	39,574	6,527	1,199	1
2,801	68	667	59	125	493	1,465	3,621	507	143	2
3,715	168	1,175	126	262	834	2,676	4,160	732	119	3
1,725	73	530	54	107	345	1,126	2,165	438	47	4
10,449	307	3,017	296	692	1,967	5,474	11,257	2,107	265	5
2,065	118	965	94	200	690	1,822	2,997	474	129	6
5,894	237	2,202	197	407	1,539	3,632	6,898	796	190	7
1,262	91	567	76	148	420	1,021	1,530	94	73	8
1,220	63	414	53	103	295	825	1,419	187	53	9
4,767	198	1,508	147	302	985	3,012	5,528	1,188	181	10
48,477	1,938	16,382	1,374	2,820	10,370	31,983	55,664	13,149	1,868	11
3,136	112	1,033	78	160	660	2,037	4,067	927	200	12
4,300	127	972	94	182	649	1,941	4,157	1,096	98	13
7,865	283	2,398	198	401	1,536	4,949	9,244	2,307	262	14
7,512	330	3,086	247	530	2,101	5,403	7,857	1,743	299	15
4,993	215	1,790	143	301	1,056	3,451	5,790	1,458	136	16
6,923	281	2,356	197	405	1,505	4,492	7,526	1,790	259	17
5,781	225	1,984	132	265	931	4,271	7,397	2,081	344	18
4,305	166	1,239	121	242	796	2,752	5,750	1,247	133	19
3,712	109	1,523	164	335	1,137	2,689	3,889	412	138	20
43,361	1,916	14,792	1,320	2,621	8,480	28,275	49,120	9,662	1,643	21
4,062	171	1,310	120	242	769	2,728	4,459	962	137	22
4,624	213	1,626	148	312	1,038	3,072	5,126	1,033	201	23
5,328	175	1,257	141	272	807	3,067	6,162	1,062	152	24
3,860	175	1,165	137	267	781	2,685	4,638	786	140	25
4,123	125	772	100	194	531	1,990	4,664	799	76	26
11,147	537	4,080	295	639	2,234	8,059	12,074	3,044	427	27
7,453	403	2,784	288	566	1,613	4,720	7,681	1,462	407	28
2,774	117	808	90	179	617	1,955	3,416	514	103	29
66,512	1,912	17,602	1,393	2,821	11,462	35,068	82,452	14,146	2,029	30
40,340	811	7,461	671	1,373	5,834	18,356	51,522	4,007	1,136	31
21,064	771	7,660	448	906	3,734	12,829	22,291	8,366	663	32
3,090	181	1,441	150	300	1,107	1,840	3,334	898	119	33
2,111	51	471	43	86	347	1,027	2,260	427	49	34
300	13	84	10	20	61	147	347	77	8	35
1,609	82	496	70	136	378	970	2,699	282	54	36
9,907	414	3,271	273	540	1,763	7,589	11,714	2,207	396	37
1,001	46	372	30	58	194	671	1,047	260	26	38
2,073	105	813	67	133	430	1,523	2,231	575	71	39
407	21	183	13	26	98	325	484	103	13	40
1,534	83	675	59	116	327	1,354	2,143	425	70	41
426	25	154	20	40	113	338	478	113	13	42
3,665	95	925	54	106	431	2,836	4,317	534	191	43
802	40	249	31	60	163	542	1,014	196	12	44
17,578	865	6,588	591	1,134	3,504	11,918	20,429	3,374	422	45
1,299	56	378	43	83	249	741	1,552	345	26	46
434	25	155	20	38	107	279	497	133	11	47
2,208	125	675	105	196	460	1,462	2,659	530	78	48
724	36	232	27	53	137	463	810	143	20	49
927	53	284	45	87	197	566	1,050	157	30	50
11,986	570	4,864	351	677	2,354	8,397	13,853	2,066	258	51
(X)	889	10,181	(X)	(X)	(X)	(X)	(X)	(X)	(X)	52

¹ Beginning 1967, data not strictly comparable with data for 1963 due to difference in coverage.
² Includes privately owned and/or operated establishments classified in "Ordnance and accessories." Excludes Government-owned and operated equipment.
³ Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Manufactures, by States

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BY STATES: 1963, 1967, AND 1968

For 1968, U.S. totals represent revisions which have not been carried through to State level]

1968								1
All employees ²		Production workers			Value added by manufacture ⁴	Value of shipments	Capital expenditures, new ⁵	
Number ³	Payroll	Number ³	Man-hours	Wages				
1,000	Mil. dol.	1,000	Millions	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	
19,528	141,832	14,043	28,158	87,485	285,016	603,379	20,613	
1,552	10,681	1,117	2,237	6,454	19,846	36,744	1,155	2
112	623	94	187	470	1,132	2,342	111	3
96	555	77	154	388	1,040	1,920	55	4
42	273	80	63	164	534	1,051	40	5
704	4,872	435	976	2,840	9,065	16,451	449	6
125	752	39	195	494	1,465	2,775	92	7
472	3,607	322	663	2,099	6,620	12,205	408	8
4,957	32,140	3,005	5,891	18,315	60,811	120,720	3,687	9
1,921	14,608	1,273	2,488	7,676	26,793	52,138	1,314	10
578	6,627	594	1,177	3,751	13,509	27,126	767	11
1,658	11,006	1,137	2,226	6,888	20,509	41,466	1,606	12
5,198	41,671	3,756	7,639	26,844	81,598	174,152	5,895	13
1,483	11,485	1,020	2,086	7,397	23,312	46,255	1,760	14
716	5,418	546	1,090	3,711	11,247	23,401	1,000	15
1,990	10,550	981	1,955	6,463	21,210	43,762	1,488	16
1,143	10,336	834	1,750	6,786	19,311	44,123	1,170	17
616	3,831	375	758	2,488	7,519	16,511	477	18
1,231	8,801	872	1,746	5,460	18,666	46,066	1,908	19
308	2,287	206	415	1,296	4,592	10,419	259	20
215	1,546	157	313	1,023	3,594	9,984	225	21
460	3,287	325	643	2,000	6,568	15,748	301	22
8	46	6	11	29	144	409	6	23
16	100	12	24	68	189	711	11	24
79	507	60	119	346	1,248	3,875	69	25
147	1,029	108	222	699	2,361	5,819	138	26
2,570	15,428	2,002	4,046	10,188	32,611	70,809	2,640	27
75	680	40	80	255	1,208	2,803	95	28
287	2,083	205	403	1,294	4,111	8,812	240	29
22	184	11	20	76	336	594	20	30
356	2,150	281	560	1,478	4,649	0,520	333	31
123	880	96	191	625	2,224	4,257	210	32
667	3,417	555	1,120	2,472	7,505	16,778	636	33
322	1,707	269	569	1,267	3,408	7,195	401	34
428	2,438	344	699	1,672	5,238	12,835	419	35
201	1,889	201	406	1,050	3,931	8,016	288	36
1,131	6,556	918	1,805	4,646	15,371	32,733	1,303	37
233	1,492	184	361	1,029	4,031	8,816	370	38
433	2,442	346	683	1,700	5,543	11,737	452	39
295	1,761	242	479	1,281	3,961	8,222	338	40
169	892	141	282	636	1,836	4,168	144	41
1,131	7,650	821	1,678	4,767	18,172	45,275	2,331	42
149	748	125	247	561	1,812	4,346	161	43
169	1,183	125	262	791	3,036	8,015	615	44
124	841	83	165	469	1,509	3,644	88	45
689	4,878	488	1,005	2,946	11,816	29,270	1,467	46
319	2,295	225	452	1,410	4,997	11,325	406	47
21	141	17	34	108	352	1,078	35	48
37	246	30	59	171	554	1,339	43	49
6	42	4	9	28	111	321	10	50
103	787	71	145	488	1,621	3,601	138	51
16	96	11	23	87	185	561	12	52
81	598	54	108	328	1,192	2,392	115	53
48	333	38	64	196	833	1,848	39	54
7	53	5	10	34	140	285	14	55
2,099	17,127	1,412	2,792	9,664	33,220	67,892	2,166	56
283	2,339	184	362	1,285	4,814	10,084	370	57
168	1,177	136	265	873	2,480	5,352	225	58
1,618	13,423	1,069	2,133	7,383	25,472	51,402	1,541	59
7	51	6	10	38	136	311	14	60
23	136	18	32	84	338	743	16	61

¹ For definition, see footnote 2, table 1141. ⁵ See footnote 5, table 1141.Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1963, Vol. I*; 1967 Census of Manufactures, *General Summary*, MC 67(1)-1; and *Annual Survey of Manufactures*, Series M 68(AS)-6.

No. 1143. MANUFACTURES—SUMMARY, BY EMPLOYEE SIZE-CLASS: 1954 TO 1967
 [Establishments and employees in thousands; money figures in millions of dollars, except as indicated]

ITEM AND YEAR	All establishments	EMPLOYEE SIZE-CLASS OF ESTABLISHMENTS									
		Total					Percent distribution				
		Under 20	20-99	100-249	250-999	1,000 and over	Under 20	20-99	100-249	250-999	1,000 and over
Establishments: ¹											
1954.....	287	196	64	16	9	2	68.4	22.3	5.5	3.1	0.7
1958.....	299	203	68	17	10	2	68.1	22.8	5.4	3.0	0.7
1963.....	307	207	70	18	10	2	67.6	22.9	5.7	3.2	0.6
1967.....	306	199	74	20	11	2	65.0	24.2	6.5	3.6	0.7
Employees, number: ¹											
1954.....	15,646	1,196	2,835	2,430	4,082	5,103	7.7	18.1	15.5	26.0	32.6
1958.....	15,423	1,202	2,956	2,503	4,055	4,707	7.8	19.2	16.2	26.3	30.5
1963.....	16,235	1,175	3,072	2,727	4,312	4,951	7.3	18.9	16.8	26.5	30.5
1967.....	18,492	1,042	3,276	3,089	5,042	6,062	5.6	17.7	16.6	27.3	32.8
Payroll: ¹											
1954.....	62,963	3,765	10,246	9,171	16,264	23,516	6.0	16.3	14.6	25.9	37.3
1958.....	73,875	4,650	12,475	10,963	18,935	26,852	6.3	16.9	14.8	25.6	36.3
1963.....	93,289	5,502	15,191	13,926	23,740	34,772	6.0	16.3	15.0	25.5	37.3
1967.....	123,481	6,080	19,205	18,172	31,988	48,335	4.9	15.6	14.7	25.7	39.1
Value added by manufacture: ³											
1954.....	116,848	7,207	18,013	17,143	31,286	43,199	6.1	15.4	14.7	26.8	37.0
1958.....	141,641	9,214	23,113	21,216	37,502	50,495	6.5	16.3	15.0	26.5	35.7
1963.....	192,102	11,310	30,073	28,826	51,054	71,056	5.9	15.6	15.0	26.5	36.9
1967.....	261,084	13,271	39,138	38,922	71,936	99,617	5.1	14.9	14.9	27.1	38.0
Capital expenditures, new:											
1954.....	8,201	4870	1,023	1,111	2,052	3,144	10.6	12.5	13.5	25.0	38.3
1958.....	9,544	4,352	1,251	1,159	2,308	3,474	14.2	13.0	12.2	24.2	36.4
1963.....	11,371	4,215	1,783	1,603	2,675	4,133	10.7	15.7	14.1	23.4	36.3
1967.....	21,503	4,800	2,730	2,996	5,713	8,204	8.6	12.7	13.9	20.6	38.2

¹ Excludes administrative offices and auxiliary units.

² Individual size-class data do not add to total because they were derived from separate tabulations.

sed electricity, and contract work, ded in merchandising activities of

in the "1 to 4 employees" category.

These establishments are included

Source: Dept. of Commerce, Bureau of the Census; 1967 Census of Manufactures, *Size of Establishments*, MC67(1)-2.

No. 1144. PERCENT SHARE OF LARGEST COMPANIES IN MANUFACTURING: 1947 TO 1967

[Companies ranked on value added by manufacture; companies in each group are not identical for all years]

ITEM	1947	1954	1958	1963	1966	1967
Value added by manufacture:						
Largest 50 companies.....	17	23	23	25	25	25
Largest 100 companies.....	23	30	30	33	33	33
Largest 150 companies.....	27	34	35	37	38	38
Largest 200 companies.....	30	37	38	41	42	42
		PERCENT SHARE OF LARGEST COMPANIES, 1967				
	All companies, 1967	Total				
		50 largest	51-100 largest	101-150 largest	151-200 largest	
All employees, total ¹.....1,000..	19,323	34	20	6	4	4
Payroll.....mil. dol.....	132,209	40	25	7	5	3
Value of shipments ².....mil. dol.....	557,398	43	25	8	6	4
New capital expenditures.....mil. dol.....	21,503	51	27	13	6	4

¹ Includes central administrative offices and auxiliaries.

² Includes substantial duplication since output of some establishments is used as materials by others.

Source: Dept. of Commerce, Bureau of the Census; 1967 Census of Manufactures, special report; *Concentration Ratios in Manufacturing*, MC67(S)-2.1 and *General Summary*, MC67(1)-1.

No. 1145. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1947, 1958, AND 1967

[Prior to 1966, excludes Alaska and Hawaii. First 50 industries as determined by value of shipments in 1967. Industry codes and descriptions are based on the 1957 *Standard Industrial Classification Manual* (SIC) as modified in 1963. Determination of company affiliation of establishment is based on census reports and publicly available records. Value of shipment totals for establishments have been summarized into company totals in each manufacturing industry. "Largest" companies are determined by each company's value of shipments in the specified industry. Industries in the "not elsewhere classified" category are omitted, regardless of their value of shipments.]

Industry code ¹	INDUSTRY AND YEAR	Number of companies	VALUE OF SHIPMENTS				
			Total ² (mil. dol.)	Percent made by largest companies, grouped as follows—			
				4	8	20	50
3711	Motor vehicles.....1967..	107	27,206	92	98	99+	99+
2911	Petroleum refining.....1947..	277	6,624	37	59	83	92
	.....1958..	289	14,106	32	55	82	94
	.....1967..	276	20,934	33	57	84	96
3714	Motor vehicle parts and accessories.....1967..	1,424	11,624	60	68	78	87
3312	Blast furnaces and steel mills ³.....1947..	(NA)	2,845	50	66	81	(NA)
	.....1958..	148	5,980	53	70	84	96
	.....1967..	200	8,910	48	66	83	98
3662	Radio and TV communication equip.....1967..	1,111	8,556	22	37	51	81
2026	Fluid milk.....1958..	5,008	5,802	23	29	37	45
	.....1967..	2,988	7,826	22	30	42	51
3461	Metal stampings.....1967..	2,564	5,894	39	44	51	60
2711	Newspapers.....1947..	8,115	1,891	21	26	36	49
	.....1958..	7,947	3,616	17	24	35	51
	.....1967..	7,589	5,757	16	25	40	56
3721	Aircraft.....1958..	113	3,376	59	83	99	99+
	.....1967..	91	5,448	69	89	99	99+
3079	Miscellaneous plastics products.....1967..	4,405	5,415	8	13	21	33
3722	Aircraft engines and engine parts.....1947..	54	465	72	88	98	99+
	.....1958..	186	3,359	56	77	92	97
	.....1967..	208	6,290	64	81	93	97
2051	Bread, cake, and related products.....1947..	5,985	2,404	16	26	36	46
	.....1958..	5,305	3,700	22	33	42	51
	.....1967..	3,445	5,103	26	38	47	58
2621	Papermills, exc. building paper.....1967..	203	4,844	26	43	65	86
2042	Prepared feeds for animals and fowl.....1947..	2,372	2,112	19	27	40	53
	.....1958..	2,016	2,642	22	30	43	56
	.....1967..	1,836	4,797	23	31	42	58
2834	Pharmaceutical preparations.....1947..	1,123	941	28	44	64	80
	.....1958..	1,064	2,533	27	45	73	87
	.....1967..	791	4,696	24	40	73	90
3522	Farm machinery.....1967..	1,526	4,300	44	56	68	77
3531	Construction machinery.....1967..	578	4,138	41	53	72	85
3651	Radio and TV receiving sets.....1967..	303	3,846	49	69	85	95
3011	Thires and inner tubes.....1967..	119	3,734	70	88	97	100
3599	Misc. machinery, exc. electrical.....1967..	16,058	3,712	7	11	17	24
3861	Photographic equip. and supplies.....1947..	346	458	61	70	81	91
	.....1958..	450	1,134	65	74	85	93
	.....1967..	505	3,665	69	81	89	95
3357	Nonferrous wire drawing and insulating.....1967..	208	3,591	39	55	76	92
2421	Sawmills and planing mills, general.....1967..	10,016	3,506	11	15	22	31
2821	Plastics materials and resins.....1947..	94	478	44	63	89	99
	.....1958..	273	1,811	40	56	79	92
	.....1967..	508	3,474	27	43	64	86
2033	Canned fruits and vegetables.....1967..	930	3,468	22	34	52	70
2211	Weaving mills, cotton.....1958..	321	2,719	25	40	59	79
	.....1967..	218	3,328	30	48	68	88
2751	Commercial printing, exc. lithographic.....1967..	11,955	3,256	14	21	29	39
2086	Bottled and canned soft drinks.....1947..	5,189	748	10	14	20	28
	.....1958..	3,989	1,435	11	15	22	28
	.....1967..	3,057	3,173	13	20	28	38
2752	Commercial printing, lithographic.....1967..	6,718	3,139	5	8	15	25

See footnotes at end of table.

No. 1145. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1947, 1958, AND 1967—Continued

[See headnote, p. 699]

Industry code ¹	INDUSTRY AND YEAR	Number of companies	VALUE OF SHIPMENTS					
			Total ² (mil. dol.)	Percent made by largest companies, grouped as follows—				
				4	8	20	50	
2721	Periodicals.....	1947	2, 106	1, 060	34	43	58	71
		1958	2, 245	1, 651	31	41	55	69
		1967	2, 430	3, 096	24	37	55	72
2335	Women's and misses' dresses.....	1967	5, 008	3, 086	7	9	14	23
2111	Cigarettes.....	1947	19	^a 1, 132	90	90+	100	(X)
		1958	12	^a 2, 150	79	90+	100	(X)
		1967	8	3, 045	81	100	(X)	(X)
3441	Fabricated structural steel.....	1967	1, 865	2, 968	13	18	26	38
2653	Corrugated and solid fiber boxes.....	1967	593	2, 960	18	33	61	78
3352	Aluminum rolling and drawing.....	1967	155	2, 959	65	79	89	96
2016	Poultry dressing plants.....	1967	709	2, 936	15	23	35	51
2082	Malt liquors.....	1947	404	1, 316	21	30	44	64
		1958	211	1, 980	28	44	68	88
		1967	125	2, 930	40	59	86	98
2851	Paints and allied products.....	1967	1, 459	2, 911	22	35	48	61
2631	Paperboard mills.....	1967	148	2, 907	27	42	67	92
3411	Metal cans.....	1947	102	679	78	86	94	99
		1958	84	1, 804	80	89	97	99
		1967	96	2, 891	73	84	94	99
3141	Shoes, except rubber ⁶	1947	1, 077	^a 1, 737	28	35	45	55
		1958	871	^a 2, 026	27	34	43	55
		1967	676	2, 771	27	34	46	61
3443	Fabricated platework.....	1967	1, 346	2, 689	30	36	48	59
3273	Ready-mixed concrete.....	1958	3, 104	1, 559	4	7	13	21
		1967	4, 032	2, 684	6	9	16	24
		1967	4, 032	2, 684	6	9	16	24
3321	Gray-iron foundries ⁷	1947	1, 554	1, 173	16	24	35	48
		1958	1, 199	1, 406	24	33	47	61
		1967	969	2, 688	27	36	50	64
2841	Soap and other detergents.....	1967	599	2, 503	70	78	86	92
3731	Shipbuilding and repairing.....	1947	272	^a 803	43	55	73	86
		1958	293	^a 1, 626	48	66	80	91
		1967	389	^a 2, 518	42	59	77	90
2844	Toilet preparations.....	1947	602	381	24	38	59	81
		1958	721	997	29	45	70	87
		1967	628	2, 516	38	52	74	90
2041	Flour and other grain mill products.....	1947	1, 084	2, 527	29	41	57	72
		1958	703	1, 970	33	51	68	85
		1967	438	2, 457	30	46	70	89
2511	Wood household furniture.....	1947	2, 209	899	7	11	19	(NA)
		1958	2, 742	1, 312	9	13	22	34
		1967	2, 934	2, 439	12	18	29	44
3351	Copper rolling and drawing.....	1967	86	2, 391	41	65	85	98

NA Not available. X Not applicable.

¹ Standard Industrial Classification code. ² Comprises, for all manufacturing establishments classified in an industry, (a) value of products "primary" to the industry, (b) value of "secondary" products, which are primary to other industries, (c) "miscellaneous receipts" such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc., and (d) value of resales, i.e., products resold in the same condition as bought. ³ Value added by manufacture used as basis for computing percentages because value of shipments data (used for ranking) contain substantial duplication. For 1967, value added is adjusted; for prior years unadjusted. ⁴ A number of small establishments was misclassified into this industry affecting the number of companies, but having no appreciable effect on value or percentage of shipments. ⁵ Value of work done. ⁶ Value of production. ⁷ Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such.

Source: Dept. of Commerce, Bureau of the Census; 1967 Census of Manufactures, special report, *Concentration Ratios in Manufacturing*, MC67(S)-2. 1.

No. 1146. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES: 1965, 1968, AND 1969

[In millions of dollars. Based on reports submitted by companies responding to The Conference Board's Quarterly Survey of Capital Appropriations. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. Backlog: Volume of approved capital appropriations unexpended at beginning and end of year, respectively; Appropriations: Authorizations by management to spend funds for new plant and equipment; Expenditures: Cost of new plant and equipment]

YEAR AND INDUSTRY	Opening backlog	Appropriations		Expenditures	Closing backlog
		Total	Canceled		
1965, total	14, 072	22, 321	662	17, 835	17, 898
Food and beverages	560	1, 130	57	884	739
Paper and allied products	826	1, 267	26	830	1, 237
Chemicals and allied products	2, 070	2, 988	129	2, 387	2, 561
Petroleum and coal products	2, 463	4, 169	242	3, 543	2, 837
Primary iron and steel	1, 972	2, 344	10	1, 834	2, 472
Electrical machinery and equipment	693	1, 381	32	917	1, 125
Machinery, except electrical	1, 118	2, 103	11	1, 997	1, 218
Motor vehicles and equipment	1, 417	2, 014	35	1, 808	1, 688
Other manufacturing	2, 964	4, 935	120	3, 638	4, 131
1968, total	19, 923	24, 797	1, 097	22, 606	21, 015
Food and beverages	976	1, 372	112	1, 165	1, 071
Paper and allied products	1, 065	843	16	822	1, 070
Chemicals and allied products	2, 446	2, 709	131	2, 537	2, 487
Petroleum and coal products	3, 227	5, 572	445	4, 888	3, 466
Primary iron and steel	3, 078	1, 983	40	2, 247	2, 774
Electrical machinery and equipment	1, 534	1, 979	96	1, 816	1, 601
Machinery, except electrical	1, 309	2, 396	17	2, 420	1, 268
Motor vehicles and equipment	1, 201	1, 931	42	1, 447	1, 643
Other manufacturing	5, 087	6, 012	198	5, 266	5, 635
1969, total	21, 015	29, 487	1, 356	25, 730	23, 416
Food and beverages	1, 071	1, 851	57	1, 506	1, 359
Paper and allied products	1, 070	1, 049	7	1, 025	1, 087
Chemicals and allied products	2, 487	3, 378	162	2, 790	2, 913
Petroleum and coal products	3, 466	6, 671	544	5, 212	4, 381
Primary iron and steel	2, 774	1, 718	17	2, 055	2, 420
Electrical machinery and equipment	1, 601	2, 978	84	2, 147	2, 348
Machinery, except electrical	1, 268	2, 897	73	2, 955	1, 237
Motor vehicles and equipment	1, 643	2, 458	141	1, 853	2, 107
Other manufacturing	5, 643	6, 387	271	5, 187	5, 564

Source: The Conference Board, New York, N.Y.; Quarterly Survey of Capital Appropriations: Historical Statistics 1965-1967, and Quarterly Survey of Capital Appropriations (Copyright.)

No. 1147. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1950 TO 1970

[Beginning 1960, production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. Underlying data on unstemmed weights of tobacco used for tobacco products are from Dept. of Agriculture and Internal Revenue Service; underlying data on units of cigarettes and cigars and on product weight of smoking and chewing tobacco and snuff are mainly from Internal Revenue Service]

ITEM	1950	1955	1960	1965	1968	1969	1970
PRODUCTION							
Cigarettes ¹.....millions..	391, 956	412, 309	506, 127	562, 368	570, 748	573, 002	562, 153
Cigars ¹.....millions..	6, 468	5, 834	6, 937	8, 883	7, 696	7, 499	7, 979
Tobacco ².....1,000 lb..	235, 189	199, 120	176, 059	169, 409	160, 175	157, 176	163, 992
PER CAPITA CONSUMPTION³							
All products ⁴.....pounds ⁵ ..	12. 20	11. 99	11. 82	11. 51	10. 59	10. 04	9. 70
Cigarettes.....number..	3, 622	3, 597	4, 171	4, 258	4, 186	3, 993	4, 000
Weight.....pounds ⁵ ..	9. 54	9. 49	9. 64	9. 37	8. 69	8. 17	7. 83
Cigars.....number..	53	55	61	70	61	60	60
Weight.....pounds ⁵ ..	1. 25	1. 28	1. 18	1. 24	1. 05	1. 02	1. 00
Tobacco ².....pounds ⁵ ..	1. 50	1. 22	0. 99	0. 88	0. 83	0. 83	0. 84

¹ Large and small. Source: Dept. of the Treasury, Internal Revenue Service; annual report, Alcohol and Tobacco Summary Statistics.

² Smoking and chewing tobaccos and snuff. Source: Dept. of Agriculture, Consumer and Marketing Service; quarterly report, Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco.

³ Based on Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad, 1970 data preliminary.

⁴ Includes small cigars (weighing not more than 3 pounds per 1,000), not shown separately.

⁵ Unstemmed processing weight equivalent. ⁶ Weighing more than 3 pounds per 1,000; includes cigarillos.

Source: Dept. of Agriculture, Economic Research Service; Tobacco Situation, except as noted.

No. 1148. ALCOHOLIC BEVERAGES—PRODUCTION, STOCKS, AND PER CAPITA CONSUMPTION: 1950 TO 1970

[For years ending June 30. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1957*, series P 192, for production of fermented malt liquor]

CLASS	Unit	1950	1955	1950	1955	1969	1970
Beer:							
	Number	407	292	229	197	158	154
	1,000 bbl. ¹	88,807	89,791	94,548	108,015	122,657	134,654
	1,000 bbl. ¹	83,512	84,457	88,929	100,307	111,867	122,550
Stocks on hand, June 30	1,000 bbl. ¹	10,982	11,627	11,458	12,505	13,568	14,693
Annual per capita consumption ²	Gallons	24.99	23.88	24.02	25.46	26.57	28.66
Domestic	Gallons	24.97	23.83	23.91	25.29	26.39	28.45
Imported	Gallons	0.02	0.05	0.11	0.17	0.18	0.21
Distilled spirits:							
Production facilities operated ³	Number	229	201	178	153	138	140
Warehouses operated ⁴	Number	309	278	241	268	278	274
Production, total ⁵	1,000 tax gal. ⁷	208,235	182,142	295,027	206,599	254,994	243,790
Whiskey ⁶	1,000 tax gal. ⁷	118,760	108,927	149,545	117,930	179,943	160,039
Tax-paid withdrawals, total ⁶	1,000 tax gal. ⁷	144,124	153,122	177,052	204,652	240,343	256,342
Whiskey	1,000 tax gal. ⁷	60,499	74,356	83,589	89,773	100,321	111,796
Stocks on hand June 30, total ⁶	1,000 tax gal. ⁷	708,562	841,496	931,509	989,794	1,085,982	1,090,929
Whiskey	1,000 tax gal. ⁷	643,280	715,861	813,730	841,099	953,746	959,727
Bottled for consumption, total	1,000 wine gal. ¹⁰	161,117	172,304	203,993	244,465	300,637	312,074
Whiskey	1,000 wine gal. ¹⁰	139,653	139,004	146,916	161,385	188,961	192,331
Annual per capita consumption ²	Tax gal. ⁷	1.48	1.58	1.87	2.13	2.48	2.62
Domestic	Tax gal. ⁷	1.33	1.36	1.64	1.66	1.82	1.91
Imported	Tax gal. ⁷	0.15	0.22	0.33	0.47	0.66	0.71
Still wines:							
Production ¹¹	1,000 wine gal. ¹⁰	297,857	380,229	511,295	565,055	611,585	712,650
Tax-paid withdrawals ¹²	1,000 wine gal. ¹⁰	135,581	136,279	147,554	162,889	188,935	204,210
Stocks on hand, June 30 ¹³	1,000 wine gal. ¹⁰	123,433	128,475	142,575	157,010	180,778	207,098
Annual per capita consumption ²	Wine gal. ¹⁰	1.33	1.28	1.36	1.44	1.59	1.71
Domestic	Wine gal. ¹⁰	1.30	1.23	1.28	1.32	1.44	1.53
Imported	Wine gal. ¹⁰	0.03	0.05	0.08	0.12	0.15	0.18
Effervescent wines:¹⁴							
Production	1,000 wine gal. ¹⁰	1,061	1,716	4,113	6,358	13,036	20,007
Tax-paid withdrawals	1,000 wine gal. ¹⁰	1,017	1,561	3,296	5,731	11,267	17,142
Stocks on hand, June 30	1,000 wine gal. ¹⁰	1,019	1,401	2,712	3,616	6,560	8,146
Annual per capita consumption ²	Wine gal. ¹⁰	0.01	0.02	0.04	0.06	0.10	0.15
Domestic	Wine gal. ¹⁰	0.01	0.01	0.03	0.05	0.08	0.13
Imported	Wine gal. ¹⁰		(2)	0.01	0.01	0.02	0.02

¹ Less than 0.01 percent. ² Barrels of 31 wine gallons (see footnote 10). ³ Source: Dept. of Commerce, Bureau of Domestic Commerce. Based on Bureau of the Census estimated population 18 years old and over, as of Jan. 1, including Armed Forces abroad. Prior to 1960, excludes Alaska and Hawaii.

⁴ Prior to 1960, represents registered distilleries, fruit distilleries, and industrial alcohol plants. In some instances a plant may operate in more than one of these categories and was counted in each.

⁵ Includes bonded warehouses and industrial alcohol bonded warehouses.

⁶ Deducting total products used in redistillation from gross production of kind of distilled spirits used in redistillation was deducted from gross production of that kind of distilled spirits.

⁷ Excludes alcohol produced for industrial use.

⁸ Proof over or is equivalent to the proof gallon; for spirits of less than 100 proof, to containing 50 percent of ethyl alcohol by volume. ⁹ A proof gallon is the alcoholic equivalent of a U.S. gallon at 60° F.

¹⁰ A wine gallon is the U.S. gallon, equivalent to the volume of 231 cubic inches.

¹¹ Production represents total amount removed from fermenters, including distilling material, and beginning 1960, includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1969, 368,067,164 gallons of distilling materials were used. Total production was 1,065,890,087 gallons.

¹² Includes special natural wines.

¹³ Includes champagne, other effervescent carbonated wines.

Source: Dept. of the Treasury, Internal Revenue Service annual report, *Alcohol and Tobacco Summary Statistics*, except as noted.

No. 1149. DENATURED ALCOHOL: 1950 TO 1970

[For years ending June 30. Excludes Alaska; includes Puerto Rico]

ITEM	1950	1955	1960	1965	1969	1970
Alcohol produced ¹	313,535	411,840	518,724	658,641	730,647	673,727
	46	46	38	46	50	46
	35	35	43	43	44	42
	4,176	3,939	3,599	3,564	3,279	3,286
	322,837	393,334	520,512	580,137	608,947	542,988
	174,674	213,229	270,726	311,778	326,842	291,510
	4,414	575	679	2,195	2,229	2,121
	170,260	212,654	279,047	309,583	324,613	289,389

¹ Represents alcohol and spirits, 190 proof and over, produced at distilled spirits plants.

² Represents all products (except rum) used for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits.

Source: Dept. of the Treasury, Internal Revenue Service; annual report, *Alcohol and Tobacco Summary Statistics*.

No. 1152. BROAD-WOVEN FABRICS—PRODUCTION, BY TYPE: 1950 TO 1970

[In millions of linear yards; in terms of gray goods except woolen and worsted which are in terms of finished yardage. Excludes Alaska and Hawaii. Fabrics composed of a mixture of fibers classified according to primary fiber content, except as noted]

PRODUCT	1950	1955	1960	1965	1968	1969	1970 (prel.)
Total goods	13,105	13,119	12,056	13,432	12,924	12,584	11,447
Cotton woven goods over 12 inches in width, except fire fabrics	10,027	10,175	9,366	9,238	7,477	6,965	6,242
Cotton duck.....	240	242	206	248	271	275	208
Sheeting and allied coarse and medium yarn fabrics.....	2,737	2,587	2,482	2,635	2,169	1,970	1,803
Print cloth yarn fabrics.....	3,669	3,968	3,320	3,120	2,778	2,748	2,392
Napped fabrics.....	413	241	202	176	143	140	129
Carded colored yarn fabrics.....	800	699	449	479	326	319	389
Fine cotton goods (all combed, part-combed, and)	1,218	1,379	1,706	1,405	717	475	313
.....	454	502	548	713	620	591	566
.....	433	557	452	463	452	447	441
Manmade fiber fabrics	(1)	(1)	(1)	3,926	5,204	5,396	5,026
100 percent filament yarn fabrics.....	(1)	(1)	(1)	1,641	1,849	1,690	1,481
Chiefly rayon and/or acetate fabrics.....	(1)	(1)	(1)	856	790	776	640
Chiefly nylon fabrics.....	(1)	(1)	(1)	304	(D)	(D)	271
All other filament yarn fabrics.....	(1)	(1)	(1)	481	(D)	(D)	550
100 percent spun yarn fabrics, except blanketing.....	(1)	(1)	(1)	1,535	2,750	2,952	2,866
100 percent rayon and/or acetate fabrics ²	(1)	(1)	(1)	643	678	630	440
Polyester blends with cotton.....	(1)	(1)	(1)	714	1,752	1,893	1,963
All other spun yarn fabrics.....	(1)	(1)	(1)	178	320	429	463
Combinations and mixtures of filament and spun yarn fabrics	(1)	(1)	(1)	519	483	517	473
Blanketing, silk, paper, and other specialty fabrics.....	(1)	(1)	(1)	232	234	237	226
Woolen and worsted, except woven felts³	471	318	286	267	243	223	179
Apparel fabrics.....	391	298	281	258	236	215	172
Government orders.....	(NA)	(NA)	3	5	6	7	6
Men's and boys' clothing.....	(NA)	(NA)	115	95	90	8 ¹	74
Women's and children's clothing.....	(NA)	(NA)	163	167	140	124	92
Nonapparel fabrics.....	80	20	6	9	7	7	7

D Withheld to avoid disclosing figures for individual companies. NA Not available.

¹ Not available on comparable basis due to change in fabric classification. ² Includes rayon and/or acetate blends from other fibers. ³ For 1960, comprises all fabrics containing more than 25 percent wool, thereafter, fabrics containing 50 percent or more wool.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MQ-2 2T.

No. 1153. WOOL—PRODUCTION, PRICE, AND SUPPLY: 1951 TO 1970

[In thousands of pounds, except as indicated. Prior to 1963, excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series K 240-241, for shorn production and price]

ITEM	1951- 1955, average	1956- 1960, average	1961- 1965, average	1960	1965	1968	1969	1970 (prel.)
Stocks of apparel wool, Jan. 1.....	(NA)	(NA)	80,390	100,739	72,891	79,886	88,862	80,983
Sheep and lambs shorn.....1,000.....	27,817	29,823	27,048	31,081	23,756	20,761	19,554	19,063
Weight per fleece.....pounds.....	8.4	8.4	8.5	8.5	8.5	8.6	8.5	8.5
Shorn wool prod. (grease basis).....	234,150	250,082	230,408	265,277	201,463	177,591	165,685	161,301
Price per pound ².....cents.....	³ 60.4	43.9	47.9	42.0	47.1	40.5	41.8	35.5
Pulled wool production (actual).....	37,360	34,520	28,320	33,600	23,300	20,500	17,100	16,000
Total wool prod. (grease basis).....	271,510	284,602	258,728	298,877	224,763	198,091	182,755	176,301
Wool, clean basis:								
Total production.....	131,046	136,457	130,550	151,031	113,084	99,656	91,483	87,876
Imports of dutiable wool ⁴	180,567	84,780	117,250	74,266	162,637	129,717	93,523	79,809
.....	513	1,550	270	60	617	543	196	200
.....	311,102	219,687	247,549	225,237	275,104	228,830	185,202	167,485
.....	114,898	146,486	138,326	153,904	108,043	110,599	95,664	73,325

NA Not available. ¹ Scoured basis.

² Weighted season average price received by farmers. 1951-62, April-March marketing season; 1963, April-December.

³ Includes all carpet wool.

Source: Dept. of Agriculture, Statistical Reporting Service. In annual report, *Agricultural Statistics*. Exports and imports from Dept. of Commerce, Bureau of the Census.

No. 1154. WOOL—MANUFACTURING MACHINERY AND CONSUMPTION: 1950 TO 1969

[Machinery in place as of end of year, except as noted. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series P 198, for wool consumed in manufacturing]

YEAR	MACHINERY IN PLACE ¹					CONSUMED IN MANUFACTURING ² (mil. lb.)		
	Worsted combs	Spinning spindles		Looms		Total ¹	Apparel class ⁴	Carpet class
		Woolen	Worsted	Woolen and worsted	Carpet and rug			
1950.....	2,808	1,308,139	1,814,430	36,337	4,894	634.8	436.9	197.9
1955.....	2,092	817,264	925,736	21,734	(NA)	413.8	281.2	132.6
1958.....	1,558	728,323	712,696	17,300	3,234	331.1	212.0	119.1
1960.....	1,498	696,525	654,480	16,058	(NA)	411.0	246.4	164.6
1965.....	1,590	520,270	713,628	12,784	1,695	387.0	274.7	112.3
1966.....	1,543	504,153	718,295	(NA)	1,592	370.2	266.6	103.6
1967.....	1,425	478,775	707,950	(NA)	1,537	312.5	228.7	83.9
1968.....	1,390	466,168	710,368	8,405	1,516	329.7	238.3	91.4
1969.....	1,407	449,497	750,212	7,853	1,492	312.8	219.0	93.8

NA Not available. ¹ Machinery set up in operating position.

² Scoured wool, plus greasy wool reduced to scoured basis, assuming average yields varying with class, origin, grade, and whether shorn or pulled.

³ Wool regarded as suitable for apparel purposes; formerly "Combing and clothing."

⁴ Includes raw wool consumed on woolen and worsted systems only.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M22D, Series MA-22E, Series MQ22T, and Series MA-22Q.

No. 1155. BLEACHED, DYED, OR PRINTED GOODS—PRODUCTION, BY TYPE: 1950 TO 1969

[In millions of linear yards. Excludes Alaska and Hawaii. Fabrics are classified by chief fiber content]

PRODUCT	1950	1955	1960	1965	1967	1968	1969 (prel.)
Bleached, dyed, or printed goods	9,329	10,502	9,559	10,988	10,676	10,864	10,466
Cotton.....	7,063	8,144	7,440	7,710	6,892	6,499	5,877
Manmade fiber fabrics and silk ¹	2,266	2,358	2,119	3,278	3,783	4,365	4,589
Bleached and white finished goods ²	5,250	5,315	4,975	6,354	6,383	6,729	6,499
Cotton.....	3,296	3,346	3,158	3,514	3,245	3,053	2,730
Manmade fiber fabrics and silk ¹	1,954	1,969	1,817	2,840	3,138	3,676	3,769
Plain dyed and finished goods, cotton	2,166	2,671	2,516	2,722	2,355	2,136	1,954
Printed and finished goods ³	1,912	2,514	2,068	1,912	1,938	2,000	2,013
Cotton.....	1,601	2,126	1,766	1,474	1,293	1,310	1,193
Manmade fiber fabrics and silk ¹	311	389	302	438	645	690	820

¹ Comprises fabrics made of rayon, acetate, nylon, silk, glass, acrylic fibers, etc.

² Includes plain dyed manmade fibers.

³ Includes roller, screen, and block printed fabrics; excludes printed towels, tablecloths, etc., flock, plisse, moire, or embossed.

Source: Dept. of Commerce, Bureau of the Census *Current Industrial Reports*, Series MA-22S.

No. 1156. KNIT CLOTH AND OUTERWEAR—PRODUCTION, BY TYPE: 1950 TO 1969

[Prior to 1960, excludes Alaska and Hawaii]

PRODUCT	Unit	1950	1955	1960	1965	1967	1968	1969 (prel.)
Finished knit cloth for sale ¹	Million lb.....	162.8	181.9	247.7	450.1	682.9	828.8	876.8
Warp knit fabrics.....	Million lb.....	47.2	54.9	81.5	163.8	300.9	346.0	339.7
Circular knit fabrics.....	Million lb.....	115.6	127.0	166.2	286.3	382.0	482.8	537.0
Knit outerwear:								
Sweaters, jackets, and jerseys....	1,000 dozen.....	8,733	10,119	12,903	14,697	13,211	13,945	12,822
Sport shirts.....	1,000 dozen.....	(NA)	(NA)	22,142	22,840	22,559	26,901	23,106

NA Not available.

¹ Beginning 1967, includes interplant transfers. Data account for approximately 5 percent of the warp knit fabrics and 10 percent of the circular knit fabrics.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MQ-22K and MA-23A.

No. 1157. WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR—SELECTED GARMENTS
CUT: 1950 TO 1970

[Prior to 1960, excludes Alaska and Hawaii]

TYPE OF GARMENT	Unit	1950	1955	1960	1965	1968	1969	1970 (prel.)
Blouses.....	1,000 dozen.....	10,764	14,880	15,571	18,072	15,589	14,425	13,582
Unit-priced dresses.....	1,000 units.....	139,607	150,445	155,374	178,295	174,315	166,488	148,178
Dozen-priced dresses.....	1,000 dozen.....	9,007	9,162	8,186	8,648	8,698	8,364	7,340
Suits.....	1,000 units.....	18,048	13,638	9,419	11,859	11,796	10,678	(NA)
Skirts.....	1,000 dozen.....	4,784	6,575	8,338	8,876	8,050	8,443	8,398
Untrimmed coats.....	1,000 units.....	22,598	22,526	21,012	19,185	16,601	16,664	17,158
Fur-trimmed coats.....	1,000 units.....	2,105	1,469	2,532	6,139	5,678	5,000	

 NA Not available. ¹ Partially estimated.

 Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MA-23A and M23H.

No. 1158. HOSIERY—PRODUCTION, BY TYPE: 1950 TO 1970

[In thousands of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1950	1955	1960	1965	1967	1968	1969	1970
All types.....	160,046	151,911	154,865	198,244	230,309	220,285	241,414	244,051
Women's.....	59,033	59,905	64,875	92,323	119,159	121,463	126,877	124,023
Full-fashioned.....	51,584	47,250	28,735	4,346	1,346	691	874	870
Seamless.....	7,449	12,655	36,140	87,977	117,813	120,772	126,603	123,653
Full-length.....	7,449	12,655	36,140	87,977	117,813	103,879	68,112	35,849
Panty hose.....	(NA)	(NA)	(NA)	(NA)	(NA)	16,893	58,301	87,804
Infants' and children's (sizes 2-8 1/2).....	17,927	16,600	17,834	18,751	20,703	18,092	120,627	120,552
Anklets.....	16,091	14,885	17,138	17,398	18,495	15,160	15,925	15,287
Knee.....	1,836	1,615	696	1,353	2,208	2,932	3,467	4,172
Girls', boys' and women's (sizes 8-11).....	19,905	19,003	20,972	35,585	36,035	30,603	136,736	135,326
Foot socks.....	(NA)	(NA)	(NA)	1,848	1,848	1,665	2,552	2,840
Anklets.....	19,905	19,003	19,514	20,192	20,373	22,673	23,058	20,929
Knee.....	(NA)	(NA)	1,458	5,518	4,814	6,265	10,329	10,872
Men's (sizes 10 and up).....	63,151	56,503	51,184	51,585	54,412	50,127	57,174	64,150
Anklets.....	49,124	47,591	38,987	43,477	45,095	41,189	47,976	54,004
Mid-calf.....	14,057	8,912	12,217	5,473	5,623	5,648	5,267	5,620
Knee.....	(NA)	(NA)	(NA)	2,685	3,794	3,290	3,793	4,396

 NA Not available. ¹ Includes types not shown separately.

 Source: National Association of Hosiery Manufacturers, Charlotte, N.C.; annual report, *Hosiery Statistics*. (Copyright.)

No. 1159. MEN'S AND BOYS' CLOTHING—SELECTED GARMENTS CUT: 1950 TO 1970

[Prior to 1960, excludes Alaska and Hawaii]

TYPE OF GARMENT	Unit	1950	1955	1960	1965	1968	1969	1970 (prel.)
Suits.....	1,000 units.....	27,145	23,857	25,419	28,445	25,446	25,572	(NA)
Men's.....	1,000 units.....	23,695	20,290	21,316	21,855	20,564	21,091	16,135
Boys' ¹	1,000 units.....	3,450	3,577	4,103	6,590	4,880	4,481	(NA)
Separate trousers ³	1,000 units.....	65,819	67,355	100,335	142,348	166,542	169,542	174,045
Separate coats.....	1,000 units.....	8,565	10,234	14,203	16,327	18,941	15,748	(NA)
Men's and youths ¹	1,000 units.....	7,039	7,932	10,237	12,291	14,222	14,345	10,721
Boys' ¹	1,000 units.....	1,516	2,302	3,966	4,036	4,719	4,403	(NA)
Woven dress and sportshirts, men's.....	1,000 dozen.....	18,100	21,757	23,208	28,211	21,573	21,125	22,307
Overalls.....	1,000 dozen.....	9,824	9,753	7,519	10,598	13,286	14,413	(NA)
Men's.....	1,000 dozen.....	9,100	4,854	2,965	4,852	8,187	8,955	9,681
Boys' ¹	1,000 dozen.....	3,724	4,899	4,554	5,736	5,099	5,464	(NA)
Work shirts (includes flannel).....	1,000 dozen.....	5,796	5,067	3,763	4,029	4,520	3,019	(NA)
Men's.....	1,000 dozen.....	5,471	4,557	3,696	3,906	4,422	3,822	3,913
Boys' ¹	1,000 dozen.....	325	510	67	123	98	197	(NA)

 NA Not available. ¹ Beginning 1968, includes uniform suits and coats. ² Partially estimated.

³ Beginning 1965, men's only.

 Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MA-23A and M23B.

No. 1160. LEATHER—PRODUCTION, BY PRINCIPAL TYPES OF RAW STOCK: 1950 TO 1970

[In thousands. Excludes Alaska and Hawaii]

YEAR	Cattle hide ¹	Calf and whole kip	Goat and kid	Sheep and lamb ²	YEAR	Cattle hide ¹	Calf and whole kip	Goat and kid	Sheep and lamb ²
1950.....	24,383	10,659	37,203	31,397	1961.....	22,736	6,391	14,865	31,891
1951.....	22,703	7,955	31,111	24,504	1962.....	22,528	5,981	14,213	30,321
1952.....	22,604	9,960	30,418	27,902	1963.....	21,654	5,596	14,182	34,374
1953.....	24,070	9,958	32,154	28,204	1964.....	22,834	6,535	12,877	31,548
1954.....	24,210	9,306	26,496	23,796	1965.....	23,436	6,263	14,574	30,516
1955.....	25,832	10,393	26,109	26,434	1966.....	23,830	4,720	13,372	29,302
1956.....	25,908	8,546	25,103	27,241	1967.....	23,394	4,008	8,456	28,375
1957.....	25,511	9,217	22,336	25,665	1968.....	24,033	4,247	6,764	31,413
1958.....	23,818	8,069	19,922	27,453	1969.....	22,090	3,381	5,856	25,242
1959.....	23,167	6,573	22,797	32,054	1970.....	20,362	2,717	3,969	23,616
1960.....	21,969	6,332	18,835	30,478					

¹ Beginning 1954, includes side kip.² Includes the flesh side leather of split sheepskins (fleshers) and excludes the grain leather (skivers).Source: Tanners' Council of America, Inc., New York, N.Y. Monthly data in Dept. of Commerce, Office of Business Economics; *Survey of Current Business*.
No. 1161. SHOES AND SLIPPERS—PRODUCTION, BY CLASS: 1950 TO 1970

[In thousands of pairs. Excludes Alaska and, prior to 1965, Hawaii, except as noted. Excludes rubber footwear]

CLASS	1950	1955	1960	1965	1968	1969	1970 (prel.)
Shoes and slippers.....	522,532	585,369	1,600,489	626,229	642,427	576,961	559,733
Footwear, except slippers.....	464,506	517,300	526,874	535,998	536,990	476,018	457,664
Shoes, sandals, and playshoes.....	455,611	509,207	514,053	526,190	526,580	463,388	440,539
Men's.....	103,361	103,661	100,578	113,195	125,034	117,468	118,250
Youths' and boys'.....	16,721	22,097	24,128	25,530	24,155	23,123	23,960
Women's.....	236,059	270,908	278,822	279,950	283,700	238,273	226,123
Misses'.....	32,706	40,755	40,234	36,470	32,980	29,109	24,736
Children's.....	29,173	33,784	32,654	33,458	31,413	28,318	22,733
Infants' and babies'.....	38,591	38,002	36,037	32,542	28,693	27,402	24,737
Athletic shoes.....	3,644	4,723	7,008	6,907	8,331	8,993	9,848
Other footwear.....	4,251	3,370	5,513	2,841	2,079	3,637	3,277
Slippers for housewear.....	58,026	68,069	73,467	90,231	105,437	100,943	105,569

¹ Includes production for Hawaii, not distributed by class.Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M31A.
No. 1162. TIRE CORD AND FABRICS—PRODUCTION, BY KIND: 1950 TO 1970

[In millions of pounds. Excludes Alaska and Hawaii]

PRODUCT	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Tire cord and fabrics.....	523	524	417	496	472	574	607	532
Manmade fibers.....	297	456	387	487	468	569	603	529
Rayon tire cord and tire cord fabric.....	297	407	240	213	126	165	120	91
Nylon tire cord and tire cord fabric.....		49	139	260	332	400	442	438
Chafar fabric and all other tire fabrics.....			9	13	9	14	42	
Cotton ²	226	68	30	9	5	5	4	3

¹ Beginning 1965, includes polyester.² Beginning 1967, excludes cotton chafar fabrics.Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MQ22T.4.

No. 1163. CHEMICALS—PRODUCTION, BY KIND: 1950 TO 1970

[Prior to 1960, excludes Alaska and Hawaii. Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and, beginning 1960, by Government-owned privately operated plants]

CHEMICAL	Unit	1950	1960	1965	1969	1970 (prel.)
Acetylene ¹	Mil. cu. ft.....	5,331	12,143	16,659	14,386	14,382
Aluminum chloride:						
Anhydrous (100% AlCl ₃).....	1,000 sh. tons.....	32	24	33	40	32
Liquid and crystal (32° B _e).....	1,000 sh. tons.....	18	26	26	24	(NA)
Aluminum sulfate (17% Al ₂ O ₃): ²						
Commercial.....	1,000 sh. tons.....	670	879	1,063	1,244	1,177
Iron free.....	1,000 sh. tons.....	40	52	59	71	(NA)
Al ³	1,000 sh. tons.....	1,566	4,818	8,809	12,918	13,098
Al ⁴	1,000 sh. tons.....	1,214	3,122	4,663	5,891	6,185
Ammonium sulfate, synthetic (technical) ³	1,000 sh. tons.....	1,138	869	1,947	1,915	1,898
Argon (refined).....	Mil. cu. ft.....	50	570	1,286	2,697	2,972
Calcium carbide (commercial).....	1,000 sh. tons.....	671	1,093	1,098	856	770
Calcium phosphate, dibasic (100% CaH ₂ PO ₄).....	1,000 sh. tons.....	53	235	263	496	(D)
Carbon, activated ⁴	1,000 sh. tons.....	38	60	85	86	82
Carbon dioxide (liquid, gas, and solid) ⁵	1,000 sh. tons.....	640	898	1,086	1,069	1,120
Chlorine, gas ⁶	1,000 sh. tons.....	2,084	4,637	6,517	9,414	9,755
Chrome, yellow and orange (C.P.).....	1,000 sh. tons.....	27	21	29	33	32
Hydrochloric acid (100% HCl).....	1,000 sh. tons.....	619	970	1,370	1,911	1,918
Hydrofluoric acid, anhydrous and aqueous (100% HF).....	1,000 sh. tons.....	35	118	150	239	233
Hydrogen, high purity (99.5-100%) ⁷	Mil. cu. ft.....	45,163	13,278	30,114	31,939	28,407
Hydrogen, lower purity (less than 99.5%) ⁷	Mil. cu. ft.....	51,958	61,621	91,521	33,151	30,193
Hydrogen peroxide (100% by weight).....	1,000 sh. tons.....	11	29	53	56	58
Molybdate chrome orange (C.P.).....	1,000 sh. tons.....	4	6	0	11	11
Nitric acid (100% HNO ₃).....	1,000 sh. tons.....	1,336	3,315	4,893	6,443	6,460
Nitrogen, high purity (99.5-100%).....	Mil. cu. ft.....	1,350	18,566	72,470	130,956	146,547
Nitrogen solutions (100% N).....	1,000 sh. tons.....	(NA)	804	1,112	1,370	1,756
Oxygen, high purity (99.5-100% O).....	Mil. cu. ft.....	17,848	67,987	182,114	275,962	279,852
Oxygen, lower purity (less than 99.5%).....	1,000 sh. tons.....	(NA)	1,479	2,170	2,055	1,605
Phosphoric acid (100% P ₂ O ₅).....	1,000 sh. tons.....	594	2,087	3,905	5,373	5,471
Phosphorus (white and red).....	1,000 sh. tons.....	153	409	555	629	697
Potassium hydroxide (88-92% KOH).....	1,000 sh. tons.....	62	103	181	177	175
Potassium pyrophosphate (100% K ₂ P ₂ O ₇).....	1,000 sh. tons.....	(NA)	26	55	41	39
Soda ash: Synthetic (58% Na ₂ O): ⁸						
Total crude bicarbonate equivalent ⁹	1,000 sh. tons.....	3,991	4,558	4,026	4,540	4,414
Finished light ¹⁰	1,000 sh. tons.....	2,050	2,238	2,272	1,699	1,787
Finished dense.....	1,000 sh. tons.....	1,410	1,998	2,399	2,638	2,477
Soda ash, natural ¹¹	1,000 sh. tons.....	338	790	1,494	2,495	2,678
Sodium bichromate and chromate.....	1,000 sh. tons.....	90	122	141	163	150
Sodium chlorate (100% NaClO ₃).....	1,000 sh. tons.....	22	92	134	187	198
Sodium hydroxide (caustic soda):						
Liquid (100% NaOH).....	1,000 sh. tons.....	2,511	4,972	6,842	9,917	10,074
Sodium phosphate:						
Tribasic (100% Na ₃ PO ₄).....	1,000 sh. tons.....	67	51	55	54	53
Meta (100% NaPO ₃).....	1,000 sh. tons.....	39	63	81	88	85
Tetra (100% Na ₄ P ₂ O ₇).....	1,000 sh. tons.....	86	90	107	69	55
Acid pyro (100% Na ₂ H ₂ P ₂ O ₇).....	1,000 sh. tons.....	9	17	24	28	(NA)
Tripoly (100% Na ₅ P ₃ O ₁₀).....	1,000 sh. tons.....	233	690	923	1,215	1,190
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) ¹²	1,000 sh. tons.....	486	497	588	657	612
Sodium sulfate:						
.....	1,000 sh. tons.....	184	303	428	744	601
.....	1,000 sh. tons.....	186	82	13,976	13,730	13,761
.....	1,000 sh. tons.....	561	738			
.....	1,000 sh. tons.....	13,029	17,883	24,851	26,537	29,146
Su: Ti (100% TiO ₂).....	1,000 sh. tons.....	299	456	577	660	655

D. Withheld to avoid disclosing figures for individual companies. NA Not available.
¹ Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. ² Excludes quantities produced and consumed by municipalities.
³ Excludes byproduct coke-oven production.
⁴ Excludes quantities produced and consumed by municipalities.
⁵ Excludes quantities produced and consumed by municipalities.
⁶ Excludes quantities produced and consumed by municipalities.
⁷ Excludes quantities produced and consumed by municipalities.
⁸ Excludes quantities produced and consumed by municipalities.
⁹ Excludes quantities produced and consumed by municipalities.
¹⁰ Excludes quantities produced and consumed by municipalities.
¹¹ Excludes quantities produced and consumed by municipalities.
¹² Excludes quantities converted to finished dense soda ash.
¹³ Collected by or in cooperation with Bureau of Mines.
¹⁴ Prior to 1960, includes amounts produced and consumed in making meta-, ortho-, and sesquisulfates; beginning 1960, excludes these amounts. ¹⁵ Includes Glauber's salt converted to 100% Na₂SO₄.
¹⁶ Includes sulfuric acid of oleum grades.

Source: Dept. of Commerce, Bureau of the Census; compiled from manufacturers' reports and published in *Current Industrial Reports*, Series M28A.

No. 1166. REFRACTORIES—SHIPMENTS: 1968 TO 1970

PRODUCT	Unit	1968		1969		1970 (prel.)	
		Quantity	Value (\$1,000)	Quantity	Value (\$1,000)	Quantity	Value (\$1,000)
Clay refractories.....	(X)	(X)	229,763	(X)	258,145	(X)	255,822
Bricks and shapes:							
Fire clay, ¹ except superduty.....	M 9" equiv.	260,083	50,840	269,337	57,490	223,297	50,311
Fire clay, superduty.....	M 9" equiv.	71,075	23,152	75,189	26,268	78,132	27,809
High alumina (60% Al ₂ O ₃ and over).....	M 9" equiv.	54,810	30,739	65,240	37,236	66,510	40,734
Ladle brick.....	M 9" equiv.	199,808	26,059	205,850	27,886	193,684	28,122
Sleeves, nozzles, runner brick, tuyeres.....	M 9" equiv.	44,743	12,066	54,080	15,545	50,006	15,869
Insulating firebrick and shapes.....	M 9" equiv.	50,928	15,269	60,926	18,026	55,264	17,368
Refractory bonding mortars ²	Short tons	75,531	9,907	94,011	12,404	81,721	11,267
Plastic refractories and ramming mixes.....	Short tons	177,984	17,209	171,130	15,855	170,760	15,653
Castable refractories (hydraulic setting).....	Short tons	202,836	24,087	219,666	20,323	223,408	28,661
Other materials in lump or ground form.....	Short tons	325,717	20,437	382,577	22,112	360,891	20,038
Nonclay refractories.....	(X)	(X)	306,078	(X)	351,753	(X)	344,743
Bricks and shapes:							
Silica.....	M 9" equiv.	59,568	14,793	68,668	17,480	45,778	15,382
".....	M 9" equiv.	92,863	96,232	103,642	112,601	92,852	108,002
".....	M 9" equiv.	20,530	18,264	21,637	20,816	17,045	17,931
".....	Short tons	14,666	13,641	17,428	15,058	15,021	14,698
Mulite.....	M 9" equiv.	5,137	8,294	6,153	10,128	6,200	11,198
Extra-high alumina.....	M 9" equiv.	2,918	8,233	3,508	9,343	3,158	9,108
Silicon carbide.....	M 9" equiv.	3,833	12,014	3,793	13,526	3,573	13,633
Zircon and zirconia.....	M 9" equiv.	1,713	5,481	2,310	6,083	1,828	6,719
Forsterite, molten cast, dolomite.....	M 9" equiv.	24,148	39,924	25,645	48,575	24,776	49,281
Mortars.....	Short tons	119,910	13,556	120,373	13,125	113,154	13,287
Nonclay refractory castables ³	Short tons	33,673	7,942	38,293	9,192	41,556	10,267
Plastic refractories, ramming mixes ⁴	Short tons	210,410	32,400	227,790	38,211	228,782	39,345
Other materials in lump or ground form.....	Short tons	408,947	35,304	505,876	36,715	479,077	35,802
Dead-burned magnesia or magnesite.....	Short tons	121,016	7,404	117,326	8,016	154,418	12,097

X Not applicable. ¹ Includes semisilica.² Bonding mortars containing more than 60% Al₂O₃ dry basis included under nonclay refractories.³ Hydraulic setting. ⁴ Wet and dry types.Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MQ-32C.

No. 1167. GLASSWARE—SHIPMENTS: 1967 TO 1969

[Value in thousands of dollars. Includes shipments valued between \$100 million and \$150 million by establishments manufacturing glassware primarily from glass received from other establishments]

PRODUCT	1967		1968		1969	
	Quantity	Value	Quantity	Value	Quantity	Value
Total.....	(X)	(1)	(X)	(2)	(X)	(3)
Table, kitchen, art, and novelty glassware:						
Machine-made:						
Tumblers.....	1,000 dozen	67,420	72,848	72,809	81,006	75,288
Stemware.....	1,000 dozen	8,125	20,208	8,923	22,102	9,512
Tableware, cookware, etc.....	1,000 pieces	340,088	110,683	358,316	120,281	344,184
Ornamental, novelty, smokers' accessories.....	(X)	29,715	(X)	34,020	(X)	35,157
Handmade:						
Tumblers.....	1,000 pieces	13,408	5,600	12,779	5,546	12,169
Stemware.....	1,000 dozen	1,740	18,346	1,734	14,798	1,743
Tableware.....	1,000 pieces	7,771	10,014	8,218	10,545	7,469
Other.....	(X)	16,646	(X)	16,545	(X)	18,474
Lighting and electronic glassware:						
Automotive.....	(X)	17,188	(X)	20,241	(X)	21,486
Searchlight.....	(X)	4,103	(X)	3,082	(X)	3,923
Tubing and.....	(X)	33,384	(X)	34,230	(X)	34,685
Electric light bulb blanks, 1 v tube blanks and parts.....	(X)	213,913	(X)	218,527	(X)	210,145
Bowls and enclosing globes, lamp chimneys.....	(X)	36,133	(X)	39,167	(X)	42,929
All other glassware:						
Tubing, rods, canes, ex. electrical and electronic.....	(X)	19,123	(X)	19,054	(X)	21,942
Scientific and laboratory.....	(X)	69,881	(X)	74,231	(X)	78,022
Industrial and technical.....	(X)	47,343	(X)	46,252	(X)	49,013
Ophthalmic and optical instrument lens blanks.....	(X)	35,991	(X)	29,981	(X)	30,769
Other glassware.....	(X)	42,188	(X)	40,980	(X)	42,324

X Not applicable. ¹ Value between \$850 million and \$900 million.² Value between \$900 million and \$950 million.³ Value between \$875 million and \$925 million.Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MA-32 E (69)-1.

No. 1168. FLAT GLASS—PRODUCTION AND SHIPMENTS: 1969 AND 1970

[In thousand boxes of 50 square feet, each single strength or equivalent, except as indicated]

PRODUCT	1969			1970		
	Production ¹	Shipments		Production ¹	Shipments	
		Quantity	Value (\$1,000)		Quantity	Value (\$1,000)
Flat glass, total.....	(X)	(X)	416,870	(X)	(X)	382,775
Sheet (window) glass, not rolled.....	25,252	23,219	150,123	22,984	21,410	131,702
Single strength, uncolored.....	11,411	10,742	66,098	11,167	11,082	64,680
Double strength, incl. greenhouse, uncolored.....	4,799	4,069	31,440	4,721	4,534	28,077
Heavy sheet, uncolored.....	7,559	7,069	45,618	6,272	5,247	32,571
Thin, incl. picture glass, and tinted or colored glass, all thicknesses.....	1,483	749	6,967	824	547	5,474
Plate and float ².....1,000 sq. ft.	993,226	705,244	266,747	974,406	691,428	251,073
Plate and float:						
Not over 1/2" thick.....1,000 sq. ft.	458,075	350,536	120,014	440,747	335,375	103,088
Over 1/2" but not over 3/4" thick.....1,000 sq. ft.	406,554	288,402	115,700	452,435	293,756	116,636
Over 3/4" thick ³.....1,000 sq. ft.	68,597	60,306	30,133	81,224	62,297	30,749

X Not applicable. ¹ Includes quantities shipped and quantities incorporated into other products manufactured by establishments producing glass. ² Excludes glass block and tile. ³ Includes rolled and wire.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MQ-32A(70)-5.

No. 1169. STRUCTURAL CLAY PRODUCTS—SHIPMENTS, BY KIND: 1950 TO 1970

[Prior to 1965, excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1937*, series P 212, for production of brick]

PRODUCT	1950	1955	1960	1965	1969	1970
Brick (building or common and face):						
Quantity.....mil. standard bricks.....	6,486	7,741	6,502	8,089	7,290	6,496
Value.....mil. dol.....	164	233	224	301	310	287
Facing tile (structural), ceramic glazed, inc. glazed brick:						
Quantity.....mil. brick equivalent.....	(NA)	446	370	308	200	167
Value.....mil. dol.....	(NA)	31	31	25	19	16
Facing tile (structural), unglazed and salt glazed:						
Quantity.....mil. tiles.....	(NA)	26	12	6	3	2
Value.....mil. dol.....	(NA)	4	3	1	1	1
Structural clay tile, except facing:						
Quantity.....1,000 sh. tons.....	1,317	929	488	313	242	185
Value.....mil. dol.....	15	12	8	5	7	6
Vitrified clay sewer pipe and fittings:						
Quantity.....1,000 sh. tons.....	1,568	2,056	1,855	1,732	1,784	1,622
Value.....mil. dol.....	53	84	95	103	120	119
Clay floor and wall tile and accessories:						
Quantity.....mil. sq. ft.....	127	233	233	283	285	250
Value.....mil. dol.....	62	128	130	142	143	126

NA Not available.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M32D.

No. 1170. ASPHALT AND TAR ROOFING AND SIDING PRODUCTS—SHIPMENTS: 1950 TO 1970

[In thousands of sales squares, except as indicated. Prior to 1960, excludes Alaska and Hawaii. A sales square is a quantity of material sufficient to cover 100 square feet of surface area]

PRODUCT	1950	1955	1960	1965	1968	1969	1970 (prel.)
Asphalt roofing.....	65,024	62,582	59,959	72,338	78,045	84,430	82,784
Smooth-surfaced.....	14,377	11,502	8,919	15,101	18,397	21,237	21,655
Mineral-surfaced.....	14,115	12,902	12,835	13,192	12,702	13,470	13,015
Strip shingles.....	32,109	33,015	33,811	39,798	43,307	46,200	45,136
Self-sealing.....	(NA)	(NA)	(NA)	14,594	22,609	26,210	29,402
Standard or regular.....	(NA)	(NA)	(NA)	25,204	20,608	18,099	15,734
Individual shingles.....	4,422	4,263	4,393	4,246	3,639	3,514	2,978
Asphalt sidings.....	2,009	1,288	872	628	418	364	250
Roll form.....	1,659	1,066	734	579	(D)	(D)	(D)
Shingle form.....	350	223	138	48	(D)	(D)	(D)
Insulated siding, all types and finishes.....	2,402	2,195	1,131	590	411	346	334
Saturated felts.....1,000 short tons.....	721	1,039	983	980	875	920	858
Asphalt.....1,000 short tons.....	621	905	898	928	831	870	811
Tar.....1,000 short tons.....	100	134	85	51	43	60	46

D Withheld to avoid disclosing figures for individual companies. NA Not available.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M29A.

No. 1171. RAW STEEL PRODUCTION: 1950 TO 1970

[In thousands of short tons. See *Historical Statistics, Colonial Times to 1957*, series P 203-207, for production in long tons]

YEAR	U.S. production	U.S. as percent of world production	Index 1967=100	TYPE OF FURNACE			GRADES		Steel for castings
				Open hearth ¹	Electric	Basic oxygen process	Carbon	Alloy and stainless	
1950	96,830	48.6	76.1	90,797	6,039	-	88,266	8,570	290
1955	117,036	39.4	92.0	108,679	8,050	307	103,376	10,669	247
1960	99,282	26.0	77.8	87,557	8,379	3,346	90,862	8,420	217
1961	98,014	25.1	77.0	85,343	8,664	3,967	89,338	8,676	180
1962	98,328	25.0	77.3	83,702	9,013	5,553	89,100	9,168	180
1963	109,261	25.9	85.9	89,797	10,920	8,544	98,714	10,547	178
1964	127,076	26.5	99.6	98,956	12,678	15,442	114,442	12,634	223
1965	131,462	26.2	103.3	94,779	13,804	22,879	116,651	14,811	267
1966	134,101	25.8	105.4	85,363	14,870	33,028	118,732	15,369	317
1967	127,213	23.2	100.0	79,690	15,089	41,434	113,190	14,023	194
1968	131,462	22.6	103.1	65,836	16,814	48,812	116,269	15,193	173
1969	141,262	22.4	111.0	60,894	20,132	60,236	124,832	16,430	172
1970	131,514	20.1	103.4	48,022	20,162	63,380	117,411	14,103	162

- Represents zero. ¹ Includes bessemer.Source: American Iron and Steel Institute, Washington, D.C.; *Annual Statistical Report*. (Copyright.)

No. 1172. IRON AND STEEL INDUSTRY—SUMMARY: 1950 TO 1970

ITEM	1950	1955	1960	1965	1967	1968	1969	1970
Steel mill products, apparent supply.....1,000 sh. tons	70,607	81,629	71,531	100,553	93,667	107,646	102,682	67,100
Net shipments.....1,000 sh. tons	72,232	84,717	71,149	92,666	83,897	91,856	93,877	90,798
Exports.....1,000 sh. tons	2,639	4,061	2,977	2,496	1,085	2,170	5,229	7,053
Imports.....1,000 sh. tons	1,014	973	3,359	10,383	11,455	17,960	14,034	13,304
Percent of total supply.....	1.4	1.2	4.7	10.3	12.2	16.7	13.7	13.8
Production.....1,000 tons	53,733	63,930	52,106	69,798	65,422	70,076	76,705	69,293
Imports.....1,000 tons	31,006	37,407	33,310	46,682	43,854	46,679	49,193	46,359
Exports.....1,000 tons	3,845	5,705	7,089	6,005	6,201	6,808	5,341	6,515
Average employment.....1,000	592	625	572	584	555	552	544	531
Revenues, total.....mil. dol.	9,534.6	14,049.3	14,221.3	17,971.7	16,880.4	18,679.6	19,231.0	19,116.9
Net income.....mil. dol.	766.9	1,098.6	810.8	1,069.3	829.8	992.2	879.4	513.2
Percent of revenues.....	8.0	7.8	5.7	5.9	4.9	5.3	4.6	2.7
Stockholders' equity.....mil. dol.	5,458.3	7,920.2	10,545.1	12,031.9	12,168.5	12,617.5	12,836.0	12,857.3
Total assets.....mil. dol.	8,273.0	12,085.8	15,937.4	18,770.9	20,631.9	22,086.6	23,004.3	23,463.0
Inventories.....mil. dol.	1,384.3	2,090.4	2,090.8	3,228.3	3,740.8	3,561.9	3,737.8	4,051.2
Capital expenditures.....mil. dol.	505.3	713.7	1,520.7	1,822.5	2,145.7	2,307.3	2,046.6	1,734.6

Source: American Iron and Steel Institute, Washington, D.C.; *Annual Statistical Report*. (Copyright.)

No. 1173. IRON AND STEEL—AGGREGATE EXPORTS OF SELECTED ITEMS: 1950 TO 1970

[Quantity in thousands of short tons; value in millions of dollars. Includes exports of Puerto Rico to foreign countries. Includes ferromanganese. Excludes steam and hot water heating boilers and radiators. Includes shipments under foreign aid programs and civilian supply shipments. Beginning 1952, quantity figures exclude, but value figures include, data for wire cloth and other items for which quantities were not reported]

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1950	3,248	465	1957	13,657	1,623	1964	12,051	1,317
1951	3,783	612	1958	6,328	1,046	1965	8,934	1,202
1952	4,854	771	1959	7,009	885	1966	7,763	1,155
1953	3,711	640	1960	11,493	1,187	1967	9,427	1,242
1954	4,828	653	1961	12,442	1,140	1968	8,989	1,237
1955	9,723	979	1962	7,597	947	1969	14,566	1,747
1956	11,574	1,281	1963	9,208	1,048	1970	17,104	1,966

Source: Department of Commerce, Bureau of Economic Analysis; the Census; *Foreign Commerce and Navigation of the United States*; monthly reports; *Foreign Trade of the United States*; *Commodity and Country*; *Quarterly Summary of Foreign Commerce of the United States*.

No. 1176. FERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1950 TO 1970
 [In thousands of short tons. Prior to 1965, excludes Alaska and Hawaii. Gray iron castings, except 1950, are based on a sample of foundries; all other data on a complete count]

ITEM	1950	1955	1960	1965	1968	1969	1970 (prel.)
GRAY IRON CASTINGS							
Shipments¹	13,725	14,838	11,594	15,713	15,130	15,933	13,945
Pressure pipe and fittings.....	1,216	1,687	1,356	1,876	1,854	1,811	1,692
Soli pipe and fittings.....	795	870	782	968	1,004	1,020	955
All other gray iron castings.....	11,715	12,281	9,476	12,879	12,272	13,102	11,298
Unfilled orders, Dec. 31²	2,142	1,075	553	882	923	1,091	888
MALLEABLE IRON CASTINGS							
Shipments	942	1,105	821	1,136	1,007	1,172	852
For sale.....	537	653	467	648	589	672	523
For own use.....	405	452	354	488	418	500	329
Standard malleable.....	(NA)	(NA)	632	827	715	795	627
Pearlitic malleable.....	(NA)	(NA)	189	309	292	377	225
Unfilled orders, Dec. 31²	222	123	55	174	186	117	78
STEEL CASTINGS							
Shipments¹	1,481	1,531	1,392	1,961	1,730	1,897	1,725
Carbon.....	1,130	1,088	1,016	1,378	1,203	1,312	1,416
Alloy.....	351	443	376	583	521	585	309
Unfilled orders, Dec. 31²	570	475	163	436	371	446	321

NA. Not available. ¹ Includes shipments "for own use."

² Unfilled orders "for sale" only. Excludes unfilled orders of captive plants.

Source: Dept. of Commerce, Bureau of the Census. Monthly data in *Current Industrial Reports*, Series M33A and M33-1.

No. 1177. NONFERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1950 TO 1970

[In thousands of pounds. Prior to 1960, excludes Alaska and Hawaii. Shipments include "for own use." Unfilled orders are for the end of the year and comprise "for sale" only. Data for 1950 based on complete coverage; other years based on sample and subject to sampling variation; see text, pp. 683-685]

ITEM	1950	1955	1960	1965	1968	1969	1970 (prel.)
Shipments, all types	2,215,588	2,663,031	2,201,127	3,436,800	3,319,056	3,514,840	3,034,122
Unfilled orders, all types	303,305	273,698	148,414	252,042	252,225	230,647	157,930
Copper and copper-base alloy, shipments	1,056,973	1,008,898	759,658	889,143	791,155	862,683	750,701
Unfilled orders.....	73,940	57,241	21,914	30,902	26,828	27,410	15,688
Aluminum and aluminum-base alloy, shipments	543,082	827,162	774,548	1,408,959	1,583,186	1,698,081	1,506,474
Unfilled orders.....	113,300	123,881	71,398	137,576	140,777	141,819	96,827
Zinc and zinc-base alloy, shipments	579,332	778,000	622,713	1,064,549	851,227	877,389	697,123
Unfilled orders.....	106,885	86,120	51,516	71,451	80,853	57,790	41,002
Magnesium and magnesium-base alloy, shipments	15,224	27,854	23,530	32,293	41,545	41,155	34,494
Unfilled orders.....	7,654	5,981	3,156	11,198	3,073	2,697	2,932
Lead and lead-base alloy die,¹ shipments	20,977	21,117	20,678	41,856	46,943	45,532	45,325
Unfilled orders.....	1,526	475	430	915	694	931	491

¹ Excludes lead die castings for battery plates and parts (shipments of 146 million pounds in 1950).

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M33E.

No. 1178. COPPER-BASE MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1950 TO 1969
 [In millions of pounds, metal weight. Excludes Alaska and Hawaii]

TYPE OF PRODUCT	1950	1955	1960	1964	1965	1966	1967	1968	1969 (prel.)
Total	5,037	5,130	4,298	5,899	6,288	6,797	5,807	5,824	6,548
Brass mill products	2,554	2,532	1,878	2,787	2,974	3,326	2,595	2,757	3,111
Alloyed ¹	1,663	1,644	1,128	1,566	1,711	2,009	1,604	1,778	1,936
Unalloyed.....	890	888	750	1,221	1,263	1,317	991	979	1,175
Copper wire mill products²	1,427	1,556	1,521	1,992	2,177	2,494	2,356	2,213	2,524
Brass and bronze foundry products	1,057	999	862	1,063	1,075	910	800	791	853
Copper-base powder mill products	(NA)	43	39	57	62	67	56	63	60

NA. Not available.

¹ Excludes webbing scrap generated in production of military ammunition cups and discs. ² Copper content.

Source: Dept. of Commerce, Bureau of the Census and Bureau of Domestic Commerce; *Copper Industry Report, 1964*, and *Current Industrial Reports*, Series BDSAF-84(69)-4.

No. 1179. ALUMINUM AND MAGNESIUM MILL PRODUCTS—NET SHIPMENTS: 1950 TO 1970

[In millions of pounds. Prior to 1965, excludes Alaska and Hawaii. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

ITEM	1950	1955	1960	1965	1967	1968	1969	1970 (prel.)
Aluminum mill products	1,713	2,792	3,049	5,692	6,351	7,167	8,271	7,386
Plate, sheet, and foil.....	1,163	1,543	1,637	3,019	3,317	3,913	4,674	4,247
Rolled structural shapes, rod, bar and wire.....	1,270	368	392	800	922	987	1,144	991
Extruded shapes, and tubing.....	258	775	937	1,719	1,712	1,893	2,020	1,823
Powder, flake and paste.....	23	36	33	59	234	276	276	205
Forgings and impacts.....	(1)	70	50	95	165	168	167	120
Magnesium mill products	13	21	21	32	49	41	38	(NA)

NA Not available. 1 Forgings included with rolled rod and bar.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M33-2 and MA33G.

No. 1180. MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS: 1947 TO 1968

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Beginning 1950, based on sample and subject to sampling variation; see Technical Note, p. 685]

CLASS OF PRODUCT	1947	1950	1955	1960	1965	1967	1968 (prel.)
Ball and roller bearings and components.....	353	450	674	836	1,224	1,292	1,286
Commercial laundry, dry-cleaning, and pressing machines 1.....	93	77	87	120	178	261	288
Electronic computing equipment 1.....	(NA)	(NA)	(NA)	(NA)	2,064	{4,049	4,278
Calculating and accounting machines 1.....						{631	652
Construction machinery, except tractors.....	932	974	1,456	{1,451	2,444	2,640	2,808
Mining machinery.....				{338	444	522	527
Conveyors and conveying equipment.....	234	241	419	367	532	655	674
Domestic laundry equipment.....	434	582	733	695	871	932	1,032
Elevators and moving stairways 1.....	96	102	131	205	261	296	314
Fabricated pipe and fittings made from purchased pipe.....	110	(S)	210	224	348	486	518
Farm machinery (except tractors).....	844	1,052	1,128	1,449	2,060	3,037	3,041
Food-products machinery.....	335	324	383	462	617	690	729
Heat exchangers and steam condensers.....	53	77	124	146	240	343	377
Household mechanical refrigerators, incl. electric and gas.....	515	925	713	624	796	841	1,007
Blowers and fans.....	130	130	274	269	386	499	492
Industrial furnaces and ovens.....	85	72	159	215	309	416	377
Industrial trucks, tractors, trailers, and stackers 1.....	157	166	312	389	637	781	838
Internal combustion engines, exc. automotive and aircraft.....	617	(NA)	(NA)	1,215	1,762	2,188	2,487
Mechanical power-transmission equipment.....	426	464	700	711	1,095	1,283	1,321
Mechanical stokers 1.....	36	19	16	(NA)	6	3	3
Addressing, dictating, duplicating.....	179	208	271	247	312	418	440
Oil and gas field machinery and tools, incl. drilling equip.....	263	333	647	507	685	661	743
Paper-industries machinery 1.....	135	115	207	348	424	515	496
Printing-trades machinery and equipment 1.....	191	201	248	350	482	656	704
Pumps and compressors.....	520	504	924	1,107	1,614	1,988	1,948
Scales and balances 1.....	51	53	67	66	108	131	132
Sewing machines 1.....	97	171	126	130	114	117	129
Small cutting tools for machine tools and metalworking machinery.....	205	232	369	401	625	761	771
Steam engines and turbines.....	119	223	380	623	623	1,059	1,157
Textile machinery 1.....	380	420	384	494	664	653	663
Tractors, except tractor-shovel loaders 1.....	744	1,098	1,331	1,142	2,028	2,167	2,201
Typewriters 1.....	140	130	164	209	326	508	481
Vacuum cleaners.....	151	167	176	161	221	255	276
Valves and fittings (except plumbing).....	540	712	1,067	1,302	1,848	2,103	2,227
Woodworking machinery.....	151	137	185	176	270	274	302

NA Not available. S Withheld because data did not meet publication standards.

1 Includes parts and attachments (except sewing machines exclude cases, cabinets, and sewing machine needles and, prior to 1965, tractors exclude parts and attachments for garden tractors).

Source: Dept. of Commerce, Bureau of the Census; *Annual Survey of Manufactures*, *U.S. Census of Manufactures*, and *Current Industrial Reports*.

**No. 1181. MACHINE TOOLS (METAL CUTTING AND METAL FORMING)—SHIPMENTS,
BY MAJOR TYPES: 1955 TO 1969**

[Value in millions of dollars. 1955 excludes Alaska and Hawaii. Includes light type machine tools, particularly in drilling machines, lathes, grinding and polishing machines, and milling machines. Excludes machine tools specifically designed for home workshops, model makers, garages, and service shops]

MAJOR TYPE	1955		1960		1965		1968		1969		
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value	
Total.....	(NA)	961	(NA)	778	250,492	1,457	303,552	1,761	310,256	1,724	
Metal cutting type.....	(NA)	666	(NA)	539	184,168	1,048	225,778	1,309	229,974	1,243	
Boring machines.....	2,122	77	1,523	47	1,823	92	1,414	94	1,174	80	
Broaching machines.....	395	14	176	6	229	16	146	10	189	16	
Drilling machines.....	(NA)	54	22,175	39	31,400	83	32,376	68	38,687	67	
Gear cutting and finishing mach.....	1,749	37	1,243	34	1,576	56	1,476	68	1,252	66	
G.....	60,763	124	53,360	117	73,044	214	97,181	235	99,274	227	
Lathes.....	23,266	153	18,176	135	24,868	235	21,478	316	19,514	289	
Milling machines.....	11,665	90	14,115	79	20,602	144	30,671	284	25,457	185	
All other.....	823	118	584	81	30,626	208	41,037	284	44,427	312	
Metal forming type.....	(NA)	295	(NA)	238	66,324	410	77,774	451	80,282	483	
Presses, including forging (power).....	20,712	171	12,529	105	20,052	209	37,252	199	36,504	224	
Presses, manual.....	(NA)	(NA)	10,410	1	13,440	2	(1)	(1)	(1)	(1)	
Forging machines (except presses).....	985	16	682	21	809	33	798	32	823	32	
Punching and shearing machines ²	8,390	29	5,907	33	6,286	44	8,786	57	9,246	54	
Banding and forming machines ²	20,625	36	13,227	34	17,490	49	21,714	64	24,395	66	
Riveting machines.....	4,849	6	2,269	4	3,044	6	3,146	8	3,429	9	
Metal container making machines.....	1,503	18	1,255	17	6	1,192	28	1,086	23	1,730	39
Die casting machines.....	384	9	181	6			(1)	(1)	(1)	(1)	
Wire weaving and wire fabricating machines.....	876	5	659	4	1,345	13	1,304	18	1,251	18	
Drawing mach. and draw benches.....	414	6	390	11	813	16	1,134	20	792	16	
All other.....	(NA)	(NA)	2,122	3	1,844	12	2,554	29	2,172	27	

NA Not available. ¹ Included with "All other" metal forming. ² Power and manual.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MQ35W.

**No. 1182. AIR-CONDITIONING AND REFRIGERATION EQUIPMENT—SHIPMENTS:
1955 TO 1969**

[Number in thousands; value in millions of dollars. 1955 excludes Alaska and Hawaii. Represents manufacturers' billing prices for units actually billed and shipped]

PRODUCT	1955		1960		1965		1968		1969	
	Number	Value	Number	Value	Number	Value	Number	Value	Number	Value
Condensing units ¹	589.3	70.9	635.6	62.6	599.2	69.1	516.9	64.4	543.3	74.4
Air-cooled.....	523.2	46.1	596.5	46.5	562.6	54.7	492.7	50.2	517.8	59.2
Water-cooled.....	66.1	24.9	39.1	16.1	36.6	14.4	20.7	6.5	22.1	6.9
Water- or air-cooled.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.5	7.6	3.4	8.3
Compressors and compressor units ¹	2,554.0	116.9	4,427.4	211.4	8,525.8	332.9	11,634.1	484.5	14,873.4	618.8
Centrifugal-refrigeration systems.....	.8	25.7	1.4	37.9	3.1	63.3	3.6	85.8	3.6	80.0
Heat-transfer equipment.....	(X)	114.1	(X)	150.6	(X)	216.8	(X)	262.0	(X)	305.6
Evaporative condensers.....	5.9	9.6	4.2	8.9	3.1	8.5	2.4	7.7	2.2	8.0
Unit coolers.....	97.0	15.1	133.1	16.2	139.8	23.1	160.2	27.1	164.1	32.7
Other heat-exchanger equipment.....	(X)	89.4	(X)	125.5	(X)	185.1	(X)	227.2	(X)	264.9
Packaged air-conditioning equipment.....	(X)	369.9	(X)	498.3	(X)	808.3	(X)	1,140.1	(X)	1,463.7
Ice-making machines.....	31.5	16.4	55.5	29.0	87.0	43.0	81.4	45.3	98.3	54.7

NA Not available. X Not applicable.

¹ Excludes units for ammonia refrigerants and, prior to 1965, household refrigerators.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series MA-35M.

No. 1183. ELECTRICAL MACHINERY AND RELATED PRODUCTS—VALUE OF SHIPMENTS: 1947 TO 1968

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Figures for 1950 and 1955 are based on sample and subject to sampling variation; see Technical Note, p. 685. "N.e.c." means not elsewhere classified]

PRODUCT	1947	1950	1955	1960	1965	1967	1968
Carbon and graphite products.....	69	100	152	187	277	296	288
Commercial radio communications, radio navigation aids, and broadcast equipment.....	225	269	1,167	2,347	3,488	4,493	4,628
Electric lamps (bulbs).....	192	243	337	490	643	756	831
Electrical appliances:							
Electric fans (except industrial type).....	49	60	75	76	98	124	120
Household water heaters.....	60	64	49	50	66	63	73
Small household electric appliances (except fans) ¹	249	306	426	471	701	784	866
Household ranges and parts.....	132	218	224	240	325	341	405
Electrical equipment for internal combustion engines.....	337	487	700	772	1,059	1,220	1,307
Electrical measuring instruments.....	156	160	399	795	872	1,165	1,192
Electrical welding apparatus.....	108	110	212	283	433	433	457
Electronic hearing aids.....	17	23	32	40	36	41	45
..... type, exc. X-ray tubes.....	25	(s)	181	256	270	362	402
..... tubes, except cathode ray.....	87	198	350	307	263	253	248
Cathode ray tubes (TV receiver type) ²	7	(s)	205	213	432	757	719
Electronic components and accessories, n.e.c. ³	349	697	1,061	2,163	3,571	4,420	4,298
Household radio receivers, television sets, radio phonographs, phonographs, and record players.....	810	1,687	1,508	1,223	2,463	3,011	2,951
Motors and generators.....	856	888	1,342	1,486	1,936	2,319	2,356
Phonograph records.....	102	85	80	149	198	271	315
Primary batteries including parts and supplies ⁴	78	95	121	153	221	328	310
Storage batteries.....	298	319	365	405	610	579	629
Switchgear and switchboard apparatus.....	361	332	663	898	1,269	1,590	1,675
Transformers.....	327	405	623	724	891	1,134	1,259
Wiring devices and supplies.....	376	492	698	939	1,127	1,338	1,479
X-ray and therapeutic apparatus ⁵	58	48	(s)	88	121	180	183

S Withheld because data did not meet publication standards.

¹ Prior to 1960, includes dry shavers (electric razors) and soldering irons. ² Includes rebuilt tubes.

³ Prior to 1960, excludes solid state semi-conductor devices, electron tube parts, and phonograph needles and includes loudspeakers, speaker systems and horns, microphones, chassis for home-type radio and TV receivers, and connectors for electronic application. ⁴ Dry and wet.

⁵ Includes X-ray accessories and dental and industrial X-ray components and assemblies.

Source: Dept. of Commerce, Bureau of the Census; *Annual Survey of Manufactures, U.S. Census of Manufactures, and Current Industrial Reports.*

No. 1184. SELECTED FARM MACHINES AND EQUIPMENT—SHIPMENTS: 1947 TO 1969

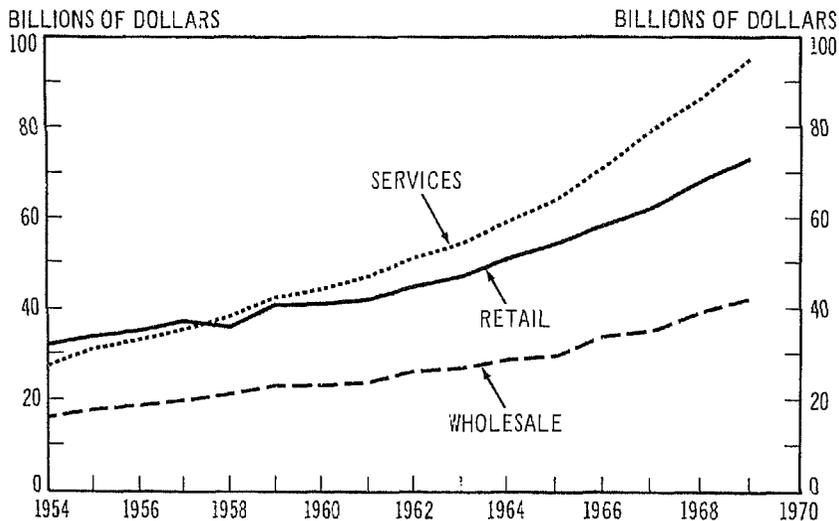
[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Excludes tractors]

CLASS	1947	1950	1955	1960	1965	1967	1968	1969
Total	758	1,002	912	1,001	1,432	1,753	1,653	1,590
Farm machines and equipment (complete units).....	584	817	727	798	1,169	1,439	1,339	1,276
Attachments and parts.....	175	185	185	203	263	314	315	314
COMPLETE UNITS, ATTACHMENTS, AND PARTS								
Plows.....	84	100	66	61	96	112	80	78
Harrows, rollers, pulverizers, stalk cutters.....	57	78	75	86	133	180	176	158
Planting, seeding, and fertilizing machinery.....	74	113	89	98	140	169	147	156
Cultivators and weeders.....	50	57	53	51	71	89	82	66
Sprayers and dusters.....	40	37	38	45	51	56	53	55
Harvesting machinery.....	192	288	244	324	505	597	504	535
Haying machinery.....	95	155	168	140	146	156	137	148
Machines for preparing crops for market or use.....	42	31	33	38	59	98	100	82
Farm poultry equipment.....	21	30	23	29	45	63	47	65
Farm dairy machines and equipment.....	31	23	19	20	31	34	33	39
Hog equipment.....	21	29	30	44	13	20	21	24
Other barn and barnyard equipment.....					54	68	67	75
Farm elevators and blowers.....	16	35	38	28	37	42	40	33
Farm wagons, trucks, and other farm transportation equipment.....	36	26	29	37	51	71	67	74

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports, Series MA-35A.*

FIG. XLV. NATIONAL INCOME ORIGINATING IN DISTRIBUTION INDUSTRIES: 1954 TO 1969

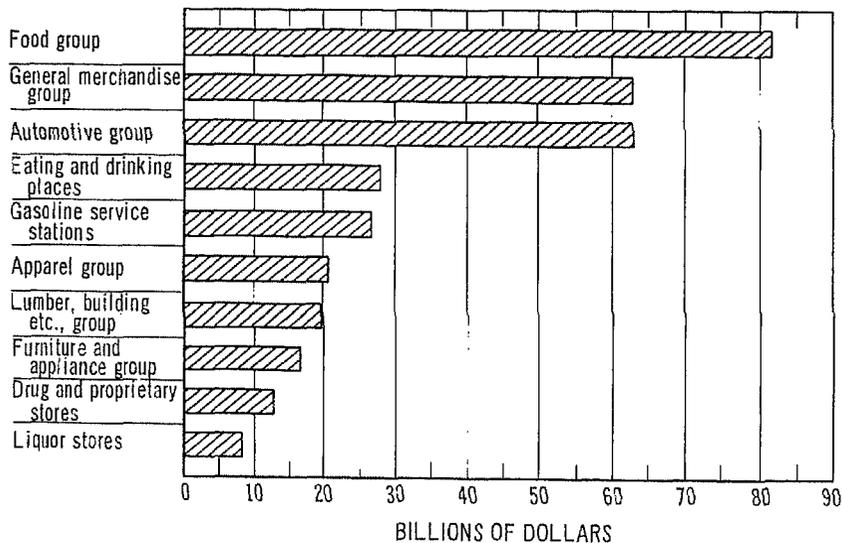
[See table 1187]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Office of Business Economics.

FIG. XLVI. RETAIL STORE SALES, BY KIND OF BUSINESS: 1970

[See table 1191]



Source: Dept. of Commerce, Bureau of the Census.

Section 29

Distribution and Services

This section presents statistics relating to retail, wholesale, and service trades. Data shown for the distribution trades, classified by kind of business, and for the various categories of services (personal, business, repair, amusement, hotel, etc.) cover sales or receipts, establishments, employees, payrolls, proprietors, and other items. Also included are several tables on advertising expenditures.

The principal sources of these data are the reports of the Census of Business and of annual and monthly surveys conducted by the Bureau of the Census. Data on retail sales, wholesale inventories and sales, consumer expenditures for services, etc. appear in the monthly *Survey of Current Business*, issued by the Office of Business Economics. Financial data for tax-filing and securities-listed corporations engaged in retail, wholesale, or service trades, and for sole proprietorships and partnerships similarly engaged, appear in the annual *Statistics of Income*, published by the Internal Revenue Service, and are also available from the Securities and Exchange Commission. The Federal Trade Commission, in the course of its investigations, collects operating statistics on firms and chains in various kinds of business.

Censuses and current surveys.—Censuses of business have been taken at intervals since 1929. Present legislation provides for a quinquennial census to be conducted for years ending in "2" and "7." Data from the 1967 census on establishments, sales or receipts, personnel, and payroll are available in a series of State reports.

Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail, wholesale, and service trades. Estimates of weekly sales in retail stores are shown for the United States, by kind of business, in the Bureau's *Weekly Retail Sales Report*. Its *Monthly Retail Trade Report* contains monthly estimates of sales and end-of-month accounts receivable of all retail stores and of retail organizations operating 11 or more stores, United States, by kind of business. Also included are monthly retail sales data for census regions and divisions, 15 large States, and 20 large standard metropolitan statistical areas. Annual figures on sales, sales-stock ratios, and year-end inventories and accounts receivable data, classified by kind of business, are presented in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include merchant wholesalers' sales and inventories and stock-sales ratios by kind of business, United States, as well as sales and inventory trends by kind of business and by geographic divisions. Monthly sales estimates are also shown by geographic divisions for the summary groups—durable goods trades, nondurable goods trades, and all trades combined. These data, based on reports submitted by a sample of firms representing merchant wholesalers in all kinds of business, appear in the *Monthly Wholesale Trade Report*. The monthly *Selected Services Receipts Report* provides monthly estimates of receipts for six major kinds of business groups for the United States as a whole. The monthly retail, wholesale, and service trades data are adjusted by the Bureau of the Census for seasonal variations and, in the case of sales, also for trading day differences. These data are also published in the *Survey of Current Business*.

The Bureau of the Census issues a quarterly report on green coffee inventories in the United States as well as total coffee roastings and roastings for soluble use. The Bureau's *Canned Food Report*, issued five times a year, provides canner and distributor stocks of various canned foods as well as canners' data on pack and shipments.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Measures of sampling variability, shown in the source reports, exclude biases arising from differences of response or from nonreporting.

Establishments and coverage.—The business establishments covered in the Census of Business are classified into 3 groups as follows: (1) *Retail trade*, places of business primarily engaged in selling merchandise for personal, household, or farm consumption; (2) *Wholesale trade*, establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business uses; and (3) *Selected services*, establishments engaged primarily in the sale of services as contrasted with the sale of merchandise. Figures for establishments refer to those in business at the end of the year.

The Census of Business excludes the activities of doctors, dentists, and others performing a professional or scientific service except that law firms, architects, and engineers were covered in the 1967 census (see tables 249, 1092, and 1093). Also excluded are educational institutions; religious or charitable institutions; hospitals and infirmaries; public utilities; and Government-operated enterprises, except wholesale and retail liquor operations.

Data from the 1958 census exclude retail and service nonemployer establishments which had receipts of less than \$2,500 and \$1,000, respectively. In the 1963 and 1967 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached the annual totals specified had they operated the entire year. Wholesale trade establishments with no paid employment are excluded.

Advertising.—The statistics on advertising expenditures are compiled by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown, defines national advertising as the advertising done for companies whose products are distributed nationally, and for which national media rates are paid; and local advertising as the advertising done for companies which market their products locally and which may pay special "local" media rates. Monthly figures are published regularly in *Marketing/Communications* and in the *Survey of Current Business*. Total corporate expenditures for advertising, by industry, appear in *Statistics of Income*.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 1187. NATIONAL INCOME ORIGINATING IN DISTRIBUTION AND SERVICE INDUSTRIES: 1950 TO 1969

(In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1957*, series T 1-11, for related data)

INDUSTRY	1950	1955	1960	1965	1966	1967	1968	1969
Wholesale and retail trade	40,943	52,270	64,396	84,302	91,392	97,518	106,413	115,183
Wholesale trade.....	13,307	17,841	23,126	30,341	33,380	35,238	38,516	41,306
Retail trade.....	27,636	34,429	41,270	53,961	58,012	62,280	67,897	73,287
Services	21,768	31,131	44,480	64,076	71,078	78,540	85,962	95,288
Hotels and other lodging places.....	1,388	1,717	2,111	2,788	3,192	3,435	3,838	4,391
Personal services.....	3,021	3,661	4,608	5,993	6,870	6,955	7,283	7,649
Miscellaneous business services.....	1,684	3,011	5,093	8,413	9,547	10,800	11,564	13,185
Automobile repair, services, and garages.....	864	1,172	1,762	2,450	2,687	2,879	3,117	3,489
Miscellaneous repair services.....	665	873	1,105	1,601	1,989	1,735	1,872	2,025
Motion pictures.....	866	979	894	1,205	1,348	1,350	1,528	1,438
Amusement and recreation services, except motion pictures.....	788	1,121	1,661	2,221	2,419	2,512	2,831	3,098
Medical and other health services.....	4,412	7,097	10,731	16,256	18,075	20,640	23,162	26,447
Legal services.....	1,344	1,926	2,636	4,069	4,522	4,820	5,115	5,529
Educational services.....	1,109	1,524	2,449	4,161	4,719	5,394	5,977	6,438
Nonprofit membership organizations.....	1,803	2,675	3,870	5,306	5,785	6,346	6,957	7,636
Miscellaneous professional services.....	1,252	2,324	3,761	5,719	6,552	7,397	8,080	9,167
Private households.....	2,672	3,051	3,799	3,964	4,028	4,477	4,638	4,896

Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1929-1966* and *Survey of Current Business*, July 1970.

No. 1188. DISTRIBUTION AND SERVICES—SUMMARY: 1948 TO 1967

[Prior to 1958 and as noted, excludes Alaska and Hawaii]

ITEM	1948	1954	1958	1963	1967
RETAIL TRADE					
Firms, total.....1,000.....	(NA)	(NA)	(NA)	1,532	1,577
Multiunit establishments.....1,000.....	163	167	183	220	220
Establishments, total.....1,000.....	1,770	1,722	1,705	1,708	1,763
With payroll.....1,000.....	1,119	1,124	1,185	1,206	1,192
Consumer price index, 1957-59=100.....	83.8	93.6	100.7	106.7	116.3
Sales.....mil. dol.....	130,521	169,908	200,365	244,202	310,214
With payroll.....mil. dol.....	118,352	157,933	187,768	233,085	295,170
By multiunits.....mil. dol.....	38,691	51,187	167,209	89,455	123,595
Percent of total sales.....	29.6	30.1	33.5	36.6	39.8
Percent of multiunit sales by 101-or-more establishment multiunits.....	41.6	41.8	42.4	43.1	46.7
Per capita sales: ²					
Current dollars.....	\$882	\$1,055	\$1,152	\$1,294	\$1,567
Constant (1958) dollars.....	\$1,053	\$1,127	\$1,144	\$1,213	\$1,347
Sales as percent of personal income.....	61.2	58.7	55.4	52.6	49.3
Sales, inside SMSA's ³.....mil. dol.....	80,899	(NA)	133,038	169,810	221,378
Percent of total sales.....	62.0	(NA)	66.4	69.5	71.4
Percent of SMSA sales in central cities.....	71.4	(NA)	64.0	57.2	55.0
Payroll, entire year.....mil. dol.....	13,568	18,199	21,673	27,632	36,175
Percent of sales.....	10.4	11.5	11.5	11.3	11.7
Payroll, Nov. 15 workweek.....mil. dol.....	(NA)	354	414	553	(NA)
Average weekly wage.....dol.....	(NA)	50	52	66	(NA)
Paid employees, Nov. 15 workweek ⁴.....1,000.....	6,918	7,124	7,942	8,410	9,381
Active proprietors of unincorporated businesses.....1,000.....	1,742	1,760	1,825	1,546	1,624
WHOLESALE TRADE					
Firms, total.....1,000.....	(NA)	(NA)	(NA)	232	233
Establishments, total.....1,000.....	216	250	287	308	311
Sales, all establishments.....mil. dol.....	180,577	233,976	285,727	358,386	459,476
Merchant wholesalers.....mil. dol.....	76,533	100,103	122,060	157,392	206,055
Inventories, end of year.....mil. dol.....	9,065	13,046	15,009	20,150	28,117
Payroll, entire year.....mil. dol.....	7,734	10,888	13,244	18,101	23,922
Paid employees, Nov. 15 workweek ⁴.....1,000.....	2,305	2,555	2,808	3,080	3,519
Active proprietors of unincorporated businesses.....1,000.....	131	150	157	133	122
SELECTED SERVICES					
Firms, total.....1,000.....	(NA)	751	928	1,001	(NA)
Multiunit establishments.....1,000.....	(NA)	35	51	61	(NA)
Establishments, total.....1,000.....	655	788	979	1,062	1,188
With payroll.....1,000.....	370	375	444	504	521
Receipts, total.....mil. dol.....	13,296	23,487	32,500	44,586	60,542
For establishments with payroll.....mil. dol.....	12,164	21,263	29,118	41,023	55,527
Average receipts per establishment.....dol.....	32,879	50,697	65,514	81,338	106,493
For establishments without payroll.....mil. dol.....	1,132	2,224	3,388	3,563	5,015
Average receipts per establishment.....dol.....	3,830	5,469	6,335	6,393	7,526
Payroll, entire year.....mil. dol.....	4,164	6,526	9,046	12,192	17,524
Payroll, Nov. 15 workweek.....mil. dol.....	81	126	168	241	(NA)
Average weekly wage of employees.....dol.....	2,100	53	53	74	(NA)
Paid employees, Nov. 15 workweek ⁴.....1,000.....	2,100	2,302	2,904	3,262	3,841
Active proprietors of unincorporated businesses.....1,000.....	667	781	996	1,017	1,082
PUBLIC WAREHOUSING					
Establishments, total.....	(NA)	7,505	8,447	8,838	9,502
Revenue.....mil. dol.....	(NA)	757	936	1,119	1,625
Payroll, entire year.....mil. dol.....	(NA)	304	358	454	634
Payroll, Nov. 15 workweek.....mil. dol.....	(NA)	6	7	9	(NA)
Paid employees, Nov. 15 workweek ⁴.....1,000.....	(NA)	94	97	102	115

NA Not available. ¹ Excludes Alaska and Hawaii. ² Based on estimated population as of July 1.³ For definition of standard metropolitan statistical area (SMSA), see text, p. 2.⁴ 1967 data for week including March 12.Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1948*, Vols. I, IV, and VI; *1954*, Vols. I, III, and V; *1958*, Vols. I, III, and V; *1963*, Vols. I, IV, and VI; and *1967*, Vols. I, III, and V, Part 1.

No. 1189. PERSONS IN DISTRIBUTION AND SERVICE INDUSTRIES: 1950 TO 1970

[In thousands. Prior to 1960, excludes Alaska and Hawaii. Data represent man-years of full-time equivalent employment by persons working for wages or salaries and by active proprietors of unincorporated businesses devoting the major portion of their time to the business. See also *Historical Statistics, Colonial Times to 1857*, series T 12-22]

INDUSTRY	1950	1955	1960	1965	1968	1969	1970
Wholesale and retail trade	10,783	11,592	12,299	13,171	14,377	14,926	15,234
Wholesale trade.....	2,605	2,842	3,090	3,358	3,647	3,787	3,839
Retail trade.....	8,178	8,750	9,209	9,813	10,730	11,159	11,395
Services.....	7,978	8,707	10,169	11,763	13,261	13,705	13,906
Hotels and other lodging places.....	605	618	639	704	760	793	810
Personal services.....	1,217	1,223	1,289	1,424	1,485	1,469	1,434
Miscellaneous business services.....	396	549	810	1,144	1,442	1,574	1,593
Automobile repair, services, and garages.....	310	310	388	456	492	500	513
Miscellaneous repair services.....	232	249	265	300	306	312	308
Motion pictures.....	234	216	179	173	186	193	191
Amusement and recreation, except motion pictures.....	296	307	370	433	488	505	515
Medical and other health services.....	1,239	1,558	1,968	2,479	2,996	3,174	3,329
Legal services.....	235	257	310	346	371	383	396
Educational services.....	510	626	823	1,036	1,210	1,243	1,265
Nonprofit membership organizations.....	713	843	1,028	1,175	1,318	1,350	1,394
Miscellaneous professional services.....	273	404	563	617	745	814	847
Private households.....	1,710	1,548	1,597	1,476	1,462	1,386	1,306

Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1920-1965* and *Survey of Current Business*, July 1971.

No. 1190. RETAIL TRADE—SALES OF RETAIL STORES AND MULTIUNIT ORGANIZATIONS: 1951 TO 1971

[In millions of dollars, except as indicated. Prior to 1960, excludes Alaska and Hawaii. Retail stores beginning in 1960, and according to sample revision through 1 for seasonal variation or trading day differences] ons and classifications sample revision organization data, 1964 data are not adjusted

YEAR AND QUARTER	SALES OF ALL RETAIL STORES				Sales of multiunit organizations, total ²	Percent multiunit sales of all stores sales
	Total		Durable goods	Non-durable goods		
	Amount	Per capita sales				
1951.....	156,548	\$1,033	54,479	102,069	(NA)	(NA)
1955.....	183,851	1,128	66,978	116,873	(NA)	(NA)
1960.....	219,520	1,232	70,560	148,960	(NA)	(NA)
1961 (old sample).....	218,811	1,208	66,968	151,843	(NA)	(NA)
1961 (new sample).....	218,992	1,209	67,302	151,690	(NA)	(NA)
1962.....	235,563	1,283	74,894	160,669	(NA)	(NA)
1963.....	246,666	1,323	79,927	166,739	(NA)	(NA)
1964.....	261,870	1,375	84,593	177,277	68,306	26.1
1965.....	284,128	1,483	94,186	189,942	73,356	25.8
1966.....	303,966	1,572	98,301	205,655	80,323	26.4
1967.....	313,809	1,608	100,173	213,636	85,203	27.2
1968.....	330,324	1,722	110,245	229,079	94,194	27.8
1969.....	351,633	1,766	112,779	238,854	103,070	29.3
1970.....	254,877	1,808	109,094	254,877	110,845	30.4
First quarter.....	81,203	403	24,602	56,601	23,891	29.4
Second quarter.....	92,395	458	29,786	62,609	26,706	28.9
Third quarter.....	91,286	453	28,227	63,059	26,971	29.6
Fourth quarter.....	90,687	494	27,079	72,608	33,280	33.4
1971, first quarter.....	85,868	423	26,773	59,095	25,209	29.4

NA Not available. ¹ Based on Bureau of the Census estimates of civilian resident population as of July 1 through 1970, and as of February 1 for 1971.

² Based on sales of organizations operating 11 or more retail stores in 1963.

Source: Dept. of Commerce, Bureau of the Census; *Monthly Retail Trade Report*. Monthly data in Office of Business Economics; *Survey of Current Business*.

No. 1191. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1965 TO 1971

[In millions of dollars. Quarterly data are not adjusted for seasonal variation or trading day differences. See also *Historical Statistics, Colonial Times to 1867*, series T 24-48]

KIND OF BUSINESS	1965	1968	1969	1970					1971, first quarter
				Total	First quarter	Second quarter	Third quarter	Fourth quarter	
All retail stores.....	284,128	339,324	351,633	364,571	81,203	92,395	91,286	99,687	85,868
Durable goods stores ¹	94,186	110,245	112,779	109,694	24,602	29,786	28,227	27,079	26,773
Automotive group.....	56,884	65,261	66,911	62,847	14,016	17,924	16,024	13,983	10,656
Passenger car, other auto- motive dealers.....	53,484	60,660	62,048	57,737	13,897	16,549	14,701	12,590	15,483
Tire, battery, accessory dealers.....	3,400	4,601	4,863	5,110	1,019	1,375	1,323	1,393	1,173
Furniture, appliance group ¹	13,382	16,540	16,719	16,817	3,834	4,079	4,164	4,740	3,897
Furniture, homefurnish- ings stores.....	(NA)	10,227	10,489	10,393	2,346	2,570	2,680	2,897	2,400
Household-appliance, TV, radio stores.....	(NA)	5,235	5,223	5,226	1,186	1,249	1,299	1,492	1,212
Liquor stores.....	17,101	19,129	19,246	19,667	3,716	5,328	5,487	5,136	4,055
Hardware stores.....	9,781	10,984	11,278	11,315	2,212	2,964	3,216	2,903	2,386
Non-durable goods stores ¹	2,637	(NA)	3,284	3,220	586	868	849	917	618
Apparel group ¹	189,942	229,079	238,854	254,877	56,601	62,609	63,059	72,608	59,095
Men's and boys' wear.....	15,765	19,205	20,168	20,396	4,240	4,782	4,778	6,596	4,246
Women's apparel, access- sory stores.....	(NA)	4,516	4,761	4,683	991	1,066	1,032	1,574	931
Shoe stores.....	(NA)	7,429	7,606	7,710	1,593	1,816	1,795	2,506	1,674
Drug and proprietary stores.....	(NA)	3,196	3,505	3,619	772	859	918	1,070	692
Eating and drinking places.....	9,186	11,458	11,863	12,750	2,990	3,058	3,125	3,577	3,120
Food group ¹	20,201	25,285	25,849	27,872	6,112	7,155	7,697	7,008	6,296
Grocery stores.....	64,016	72,881	75,866	81,466	19,294	20,303	20,636	21,233	20,124
Gasoline service stations.....	(NA)	67,925	70,955	76,071	18,052	18,927	19,241	19,851	18,838
General merchandise group, including nonstores ¹	20,611	24,526	25,116	26,604	6,124	6,820	6,830	6,730	6,255
Department stores ²	42,299	54,493	58,615	62,867	12,302	14,676	14,896	20,993	13,256
Mail-order (dept. store merchandise).....	25,014	33,323	36,411	38,558	7,378	9,053	9,087	13,040	7,895
Variety stores.....	(NA)	3,256	3,519	3,834	802	842	880	1,310	818
Liquor stores.....	(NA)	6,162	6,548	7,056	1,351	1,642	1,652	2,411	1,401
Liquor stores.....	5,674	6,909	7,403	8,060	1,737	1,938	2,032	2,353	1,895

NA Not available. ¹ Includes data not shown separately.

² In addition, includes paint, plumbing, and electrical stores.

³ Includes sales made by mail-order catalog desks located within department stores of mail-order firms.

Source: Dept. of Commerce, Bureau of the Census; *Monthly Retail Trade Report*. Monthly data in Office of Business Economics; *Survey of Current Business*, April 1971.

No. 1192. RETAIL TRADE—SALES OF MULTIUNIT ORGANIZATIONS, BY KIND OF BUSINESS: 1969 TO 1971

[In millions of dollars. Data based on sales of organizations operating 11 or more retail stores in 1968. Quarterly data are not adjusted for seasonal variation or trading day differences. See also headnote, table 1190, and *Historical Statistics, Colonial Times to 1867*, series T 49-71]

KIND OF BUSINESS	1969	1970	1971, 1st qtr.	PERCENT ¹		
				1969	1970	1971, 1st qtr.
Total sales.....	103,070	110,848	25,209	29.3	30.4	29.4
Durable goods stores ²	6,892	5,750	1,239	5.2	5.2	4.6
Tire, battery, accessory dealers.....	1,816	1,747	382	37.3	34.2	32.6
Furniture and appliance group.....	1,364	1,281	296	8.1	7.6	7.6
Non-durable goods stores ²	97,178	105,098	23,970	40.7	41.2	40.6
Apparel group ³	5,921	6,191	1,224	29.4	30.4	28.8
Men's and boys' wear stores ³	905	852	121	19.0	18.2	13.0
Women's apparel, accessory stores ⁴	2,990	2,250	488	27.5	20.2	20.2
Shoe stores.....	1,598	1,712	293	45.6	47.3	42.3
Drug and proprietary stores.....	3,777	4,307	1,003	31.8	33.8	32.1
Eating and drinking places.....	2,487	2,683	486	9.6	9.6	7.7
Food group ²	37,019	40,966	10,364	49.6	50.3	61.5
Grocery stores.....	37,163	40,567	10,274	52.4	53.3	54.5
General merchandise group, including nonstores ²	41,997	46,302	9,684	71.6	72.1	72.3
Department stores, excluding mail-order sales.....	28,934	31,105	6,438	79.5	80.7	81.5
Variety stores.....	5,232	6,627	1,107	79.9	79.7	79.0

¹ Multiunit sales as percent of all retail sales. ² Includes data not shown separately.

³ Comprises men's and boys' clothing, furnishings stores, and custom tailors.

⁴ Comprises women's ready-to-wear, other apparel, accessory, specialty shops, and furriers.

Source: Dept. of Commerce, Bureau of the Census; *Monthly Retail Trade Report*, and unpublished data.

No. 1193. RETAIL TRADE—MERCHANDISE INVENTORIES AND SALES-INVENTORY RATIOS: 1968 AND 1969

[Inventories in millions of dollars. As of December 31]

KIND OF BUSINESS	MERCHANDISE INVENTORIES AT COST				SALES-INVENTORY RATIOS ^{3,4}			
	All retail stores ¹		Multitunit organiza-tions ^{1,2}		All retail stores		Multitunit organiza-tions ^{1,2}	
	1968	1969	1968	1969	1968	1969	1968	1969
Total	40,601	43,535	11,919	13,179	8.9	8.9	10.3	10.1
Durable goods	18,412	19,527	1,414	1,558	6.2	6.1	5.4	4.9
Non-durable goods	22,189	24,008	10,505	11,621	11.4	11.2	10.1	10.9
Food group	4,393	4,691	2,436	2,653	20.4	20.4	22.4	22.5
Grocery stores.....	4,236	4,533	2,406	2,623	19.9	19.9	22.2	22.3
Eating and drinking places.....	660	628	(NA)	(NA)	46.7	45.3	(NA)	(NA)
General merchandise group with nonstores.....	8,314	0,186	5,688	6,315	7.4	7.3	7.7	7.8
General merchandise group without nonstores (except department stores mail order).....	7,975	8,847	5,553	6,160	7.0	6.8	7.5	7.3
Department stores and dry goods, general merchandise stores.....	6,218	6,861	4,100	4,555	7.3	7.0	8.0	7.7
Department stores.....	4,886	5,348	3,727	4,123	7.8	7.4	8.1	7.8
Variety stores.....	1,266	1,422	994	1,092	5.8	5.7	6.2	6.2
Mail-order (department store merchandise).....	493	563	(NA)	(NA)	6.5	6.3	(NA)	(NA)
Apparel group ⁵	4,050	4,426	1,089	1,227	4.9	4.6	6.0	5.5
Men's, boys' clothing, furnishing stores.....	1,165	1,205	197	216	3.7	3.7	4.3	4.2
Women's ready-to-wear stores.....	940	1,138	242	292	6.8	6.0	8.5	7.3
Shoe stores.....	854	889	347	365	4.1	4.0	4.9	4.7
Furniture and appliance group ⁵	2,089	3,122	260	274	6.2	5.9	7.7	6.7
Furniture, home furnishing stores.....	1,745	1,827	(NA)	(NA)	6.5	6.2	(NA)	(NA)
Furniture stores.....	1,412	1,504	(NA)	(NA)	5.9	5.7	(NA)	(NA)
Household appliance, TV, radio stores.....	991	1,021	(NA)	(NA)	6.2	6.0	(NA)	(NA)
Household appliance dealers.....	680	700	(NA)	(NA)	6.2	5.9	(NA)	(NA)
Lumber, building, hardware, farm equip. group.....	4,353	4,306	433	468	4.4	4.6	4.7	4.9
Lumber yards, building-materials dealers, paint, plumbing, electrical stores.....	1,821	1,731	308	318	6.1	6.2	5.1	5.6
Lumber yards.....	1,150	1,098	182	178	5.7	6.3	4.9	5.7
Hardware stores.....	800	815	(NA)	(NA)	3.8	3.9	(NA)	(NA)
Farm equipment dealers.....	1,732	1,760	(NA)	(NA)	3.0	3.0	(NA)	(NA)
Automotive group ⁵	8,655	9,424	(NA)	(NA)	7.5	7.3	(NA)	(NA)
Passenger car dealers.....	7,015	7,496	(NA)	(NA)	8.0	7.8	(NA)	(NA)
Passenger car dealers (franchised).....	6,530	7,001	(NA)	(NA)	7.9	7.7	(NA)	(NA)
Tire, battery, accessory dealers.....	975	1,102	476	534	5.1	5.0	4.4	4.2
Gasoline service stations.....	975	946	(NA)	(NA)	25.7	28.0	(NA)	(NA)
Drug and proprietary stores.....	1,939	2,101	657	756	6.3	6.3	7.1	6.7
Liquor stores.....	760	782	244	257	10.4	10.8	12.9	13.6
Jewelry stores.....	770	874	(NA)	(NA)	2.8	2.9	(NA)	(NA)

NA Not available. ¹ Includes mail-order sales. ² Excludes mail-order sales. ³ Ratio of annual sales to year-end inventories. ⁴ Based on store inventor

No. 1194. DEPARTMENT STORES—SALES, INVENTORIES, AND ACCOUNTS RECEIVABLE: 1968 TO 1970

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ITEM	TOTAL			MULTIUNIT ORGANIZATIONS ¹		
	1968	1969	1970	1968	1969	1970
Sales, total	33,323	36,411	38,558	26,184	28,984	31,106
Per capita ² dol.....	169	183	191	133	145	154
Dept. store as percent of total retail.....	9.8	10.4	10.6	27.8	28.1	28.1
Merchandise inventories:						
Warehouses and stores.....	4,886	5,348	(NA)	3,727	4,123	(NA)
Stores only.....	4,315	4,729	(NA)	3,283	3,562	(NA)
Sales-inventory ratio, stores only ³	7.8	7.4	(NA)	8.1	7.8	(NA)
Accounts receivable, total	6,799	7,254	(NA)	5,890	6,316	(NA)
Charge accounts ⁴	1,010	977	(NA)	524	513	(NA)
Percent of total.....	14.9	13.5	(NA)	8.9	8.1	(NA)
Installment accounts ⁵	5,789	6,277	(NA)	5,366	5,803	(NA)
Percent of total.....	85.1	86.5	(NA)	91.1	91.9	(NA)

NA Not available. ¹ One or more retail stores. ² Excludes mail-order sales. ³ Ratio of annual sales to year-end inventories. ⁴ Accounts receivable should be made at end of customary billing period. ⁵ Receivables scheduled to be paid in 2 or more payments.

Source of tables 1193 and 1194: Dept. of Commerce, Bureau of the Census; Annual Retail Trade Report.

NO. 1195. RETAIL TRADE—SALES, BY BROAD MERCHANDISE LINES: 1963 AND 1967

[Establishments in thousands; sales in millions of dollars. Includes only establishments with payroll]

MERCHANDISE LINE	1963					1967		
	All establishments			Multiunit organizations ¹		Establishments	Sales	Percent of sales
	Number	Sales	Percent of sales	Sales	Percent of sales			
Retail trade, total.....	1,206	232,952	100.0	62,280	100.0	1,191	295,170	100.0
Groceries, other foods.....	279	48,366	20.8	22,004	35.3	262	59,896	20.3
Meats, snacks.....	276	13,154	5.6	1,903	3.1	283	17,742	6.0
Alcoholic drinks.....	121	4,459	1.9	81	0.1	127	5,295	1.8
Packaged alcoholic beverages.....	102	5,097	2.4	1,544	2.5	103	7,377	2.5
.....	250	4,461	1.9	1,704	2.7	249	5,112	1.7
.....	185	9,326	4.0	2,854	4.6	185	11,911	4.0
.....	88	7,263	3.1	3,249	5.2	89	9,513	3.2
.....	117	14,390	6.2	6,742	10.8	120	18,794	6.4
.....	82	4,199	1.8	2,043	3.3	86	5,341	1.8
Curtains, draperies, dry goods.....	90	3,817	1.6	2,075	3.3	72	4,994	1.7
.....	76	6,773	2.9	2,299	3.7	104	10,093	3.4
.....	74	7,159	3.1	1,478	2.4	80	9,113	3.1
.....	109	2,927	1.3	1,439	2.3	113	3,755	1.3
.....	86	2,306	1.0	551	0.9	83	3,106	1.1
.....	97	2,107	0.9	550	0.9	70	3,090	1.0
Hardware, gardening equipment.....	97	3,481	1.5	1,002	1.6	100	4,299	1.5
Lumber, building materials.....	82	3,941	1.7	1,534	2.5	79	10,210	3.5
Automobiles, trucks.....	53	36,100	15.1	288	0.4	68	41,767	14.1
Auto fuels, lubricants.....	216	14,249	6.1	1,696	2.6	217	17,999	6.1
Tires, batteries, accessories.....	209	7,413	3.2	1,855	2.2	217	9,392	3.2
Farm equipment, machinery.....	22	3,277	1.4	121	0.2	21	4,317	1.5
Hay, grain, feed, farm supplies.....	29	4,363	1.9	423	0.7	31	5,644	1.9
Household fuels, ice.....	33	3,185	1.4	295	0.5	32	3,270	1.1
All other merchandise.....	247	9,340	4.0	3,158	5.1	216	12,029	4.3
Nonmerchandise receipts.....	333	7,200	3.1	2,024	3.2	431	10,511	3.6

¹ Comprise 11 establishments or more.

 Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1963*, Vol. I, and 1967, BC 67-MLS 1.

NO. 1196. RETAIL TRADE—SIZE OF ESTABLISHMENT AND LEGAL FORM OF ORGANIZATION: 1963 AND 1967

[Establishments and paid employees in thousands; money figures in millions of dollars]

ITEM	1963					1967				
	Establishments	Sales	Payroll, entire year	Workweek ended nearest Nov. 15		Establishments	Sales	Payroll, entire year	Payroll, 1st. qtr.	Paid employees, week including Mar. 12
				Payroll	Paid employees					
All establishments.....	1,708	244,202	27,632	553	8,410	1,763	310,214	36,175	8,812	9,381
Operated entire year.....	1,532	232,043	26,357	514	7,739	1,671	299,430	34,986	8,525	9,022
With annual sales of—										
Less than \$30,000.....	517	7,517	616	13	329	563	8,033	754	267	316
\$30,000-\$49,999.....	243	9,415	954	19	401	227	8,769	889	263	348
\$50,000-\$99,999.....	329	29,935	2,695	61	915	323	22,838	2,503	648	883
\$100,000-\$299,999.....	306	50,083	6,388	124	1,977	359	60,290	7,500	1,781	2,193
\$300,000-\$499,999.....	58	21,935	2,793	54	780	74	28,110	3,749	882	969
\$500,000-\$999,999.....	43	30,062	3,429	66	908	55	38,464	4,697	1,120	1,100
\$1,000,000 or more.....	37	89,096	9,583	188	2,430	50	132,876	14,895	3,665	3,204
With employment of—										
Less than 4 paid employees ²	1,067	48,128	3,453	65	1,144	1,151	56,458	4,162	1,012	984
.....	247	34,597	4,129	81	1,276	247	37,390	4,842	1,063	1,283
.....	148	47,974	6,070	117	1,712	182	61,167	7,861	1,921	2,138
.....	70	101,345	12,705	250	3,607	90	144,414	18,621	4,529	4,618
.....	176	12,158	1,275	40	671	93	10,785	1,188	287	368
Single units operated.....	1,488	154,746	16,564	332	5,050	1,543	186,700	20,513	5,190	5,532
Multinunits.....	220	89,455	11,068	221	3,360	220	123,505	15,662	3,622	3,848
Corporations.....	359	151,093	19,293	383	5,329	451	209,153	27,068	6,462	6,377
All other legal forms.....	1,349	93,108	8,338	171	3,081	1,312	101,062	9,107	2,350	3,004

¹ 1963, workweek ended nearest Nov. 15; 1967, week including Mar. 12. ² Includes no paid employees.

 Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1967*, Vol. I.

No. 1202. WHOLESALE TRADE—SALES, STOCKS, AND STOCK-SALES RATIOS: 1950 TO 1970

[In billions of dollars, except ratios. Prior to 1965, excludes Alaska and Hawaii. Data represent sales and stocks of merchant wholesalers. See *Historical Statistics, Colonial Times to 1867*, series T 208-210 for sales]

YEAR	ALL ESTABLISHMENTS			DURABLE GOODS ESTABLISHMENTS			NONDURABLE GOODS ESTABLISHMENTS		
	Sales ¹	Stocks, end of year ²	Stock-sales ratio ³	Sales ¹	Stocks, end of year ²	Stock-sales ratio ³	Sales ¹	Stocks, end of year ²	Stock-sales ratio ³
1950-----	92.3	9.3	1.07	37.7	4.7	1.29	54.6	4.6	0.91
1955-----	118.7	11.7	1.13	51.4	6.3	1.36	67.3	5.4	0.95
1960-----	130.9	14.1	1.22	58.6	8.1	1.69	81.3	6.0	0.89
1965-----	187.1	18.3	1.14	82.7	10.6	1.49	104.4	7.7	0.87
1966-----	203.8	20.7	1.14	91.0	12.1	1.49	112.7	8.6	0.85
1967-----	205.2	21.6	1.21	90.4	12.5	1.61	114.7	9.0	0.90
1968-----	219.9	22.5	1.20	100.0	13.5	1.54	119.9	9.1	0.91
1969-----	236.7	24.4	1.19	109.6	14.6	1.53	127.1	9.8	0.89
1970-----	246.6	26.6	1.23	111.8	15.6	1.61	134.9	11.0	0.92

¹ Annual totals. ² Seasonally adjusted. ³ Ratio of average stocks to average monthly sales. Average stocks based on weighted averages of end-of-month figures.

Source: Dept. of Commerce, Office of Business Economics and Bureau of the Census. In *Survey of Current Business* and *Monthly Wholesale Trade Report*.

No. 1203. MERCHANT WHOLESALERS—INVENTORIES AND STOCK-SALES RATIOS: 1960 TO 1971

KIND OF BUSINESS	INVENTORIES ¹ (mil. dol.)					STOCK-SALES RATIOS ² (percent)			
	1960	1965	1969	1970	1971, March (prel.)	1960	1965	1969	1970
Merchant wholesalers-----	14, 120	18, 274	24, 363	26, 604	26, 655	122	113	121	128
Durable goods ³ -----	8, 121	10, 575	14, 579	15, 565	15, 653	171	147	160	169
Motor vehicles, automotive equip....	1, 271	1, 891	2, 536	2, 687	2, 833	192	192	163	164
Electrical goods-----	1, 220	1, 551	2, 214	2, 320	2, 282	169	187	182	181
Hardware, plumbing, heating equipment, supplies-----	1, 075	1, 298	1, 554	1, 656	1, 694	208	174	176	186
Machinery, equipment, supplies....	2, 229	2, 890	4, 269	4, 643	4, 545	181	158	180	190
Metals, metalwork (except scrap)....	611	1, 213	1, 690	1, 872	1, 887	197	164	161	185
Nondurable goods ³ -----	5, 999	7, 699	9, 784	11, 039	11, 002	88	86	89	96
Groceries and related products....	1, 331	1, 840	2, 259	2, 367	2, 359	57	58	55	57
Beer, wine, distilled alcoholic bev....	666	753	1, 017	1, 132	1, 230	108	93	100	102
Drugs, chemicals, allied products....	579	757	1, 044	1, 071	1, 090	129	120	131	132
Paper, paper products, excluding wallpaper-----	380	460	633	660	652	108	95	102	109

¹ As of end of year, except as indicated. Adjusted for seasonal variations. ² Based on December adjusted sales and inventory estimates. ³ Includes kinds of business not shown separately.

Source: Dept. of Commerce, Bureau of the Census; *Monthly Wholesale Trade Report*.

No. 1204. MERCHANT WHOLESALERS—ESTABLISHMENTS, SALES, AND PAYROLL, BY SALES SIZE OF ESTABLISHMENTS: 1967

SALES SIZE	Estab-lish-ments	Sales (mil. dol.)	Payroll, entire year (\$1,000)	SALES SIZE	Estab-lish-ments	Sales (mil. dol.)	Payroll, entire year (\$1,000)
All establish-ments-----	212, 993	206, 055	15, 367, 740	\$500,000-\$999,999-----	31, 751	22, 495	2, 417, 314
Operated all year--	206, 577	199, 002	14, 865, 569	\$1,000,000-\$1,999,999----	20, 926	20, 232	2, 721, 327
With annual sales of--				\$2,000,000-\$4,999,999----	13, 504	40, 828	3, 144, 272
Less than \$100,000-----	46, 754	2, 459	322, 667	\$5,000,000-\$9,999,999----	3, 783	25, 795	1, 597, 811
\$100,000-\$199,999-----	36, 671	5, 321	683, 011	\$10,000,000-\$14,999,999----	1, 025	12, 411	664, 073
\$200,000-\$299,999-----	23, 377	5, 741	708, 386	\$15,000,000-\$19,999,999----	404	6, 906	322, 474
\$300,000-\$499,999-----	27, 622	10, 740	1, 286, 346	\$20,000,000 and over-----	700	37, 075	997, 888
				Not operated all year-----	6, 416	7, 053	502, 171

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1967*, Vol. IV.

No. 1207. PUBLIC WAREHOUSING FACILITIES—SUMMARY, BY REGION: 1963 AND 1967

[Covers only establishments classified as "public warehouses" with 1 or more paid employees. For composition of regions, see fig. 1, p. xii]

REGION AND TYPE OF FACILITY	Estab-lish-ments	Revenue (\$1,000)	Payroll (\$1,000)	OCCUPIABLE PUBLIC STORAGE SPACE, DEC. 31			FROZEN FOOD LOCKERS, DEC. 31 ¹	
				Floor space (1,000 sq. ft.)	Refrigerated space (1,000 cu. ft.)	Bulk liquid storage space (1,000 gal.)	Number installed	Bulk freezer storage space ² (1,000 cu. ft.)
1963, United States.....	8,838	1,119,478	454,223	355,450	474,199	467,480	843,977	2,534
Northeast.....	1,589	254,880	118,005	78,012	111,549	341,456	54,623	280
North Central.....	2,661	288,937	112,358	70,696	147,000	35,781	467,202	1,109
South.....	3,026	347,800	129,292	166,022	93,228	52,803	196,738	754
West.....	1,562	228,161	94,668	40,720	122,422	37,440	125,414	392
1967, United States.....	9,433	1,624,632	634,429	392,865	533,960	519,601	742,316	2,674
Household goods.....	3,701	643,361	282,405	100,502	1,059	15	40	11
General.....	1,677	379,910	168,816	163,168	3,543	258	5	44
Refrigerated, ex. food lockers.....	749	228,902	83,123	8,666	525,938	515	9,108	59
Food lockers ³	1,772	96,085	16,451	438	3,293	96	733,163	2,560
Farm products.....	1,131	199,780	60,585	103,628	127	131	-	-
Other.....	403	76,594	28,049	16,493	-	518,687	-	-
Northeast.....	1,688	336,992	137,301	84,311	118,846	421,992	40,875	167
Household goods.....	733	123,742	56,676	22,317	18	-	40	-
General.....	546	116,494	47,359	52,921	442	130	5	39
Refrigerated, ex. food lockers.....	193	57,407	24,723	2,142	118,171	-	4,044	18
Food lockers ³	71	4,537	820	157	194	-	36,786	110
Farm products.....	16	4,477	1,482	965	21	-	-	-
Other.....	129	28,335	10,241	5,809	-	421,862	-	-
North Central.....	2,689	420,553	163,955	87,735	168,042	12,448	418,480	1,227
Household goods.....	719	139,305	63,125	23,283	6	-	-	3
General.....	471	124,732	56,000	54,543	449	-	-	-
Refrigerated, ex. food lockers.....	182	68,902	28,558	3,035	156,268	515	2,233	6
Food lockers ³	1,078	53,900	8,697	1,570	1,329	94	410,247	1,218
Farm products.....	157	10,536	3,415	1,090	-	5	-	-
Other.....	82	14,169	5,160	5,177	-	11,834	-	-
South.....	3,271	517,414	191,696	165,493	123,321	28,071	181,443	798
Household goods.....	1,286	193,375	80,201	30,891	968	15	-	5
General.....	441	80,706	34,830	37,227	2,317	100	-	-
Refrigerated, ex. food lockers.....	187	46,508	15,042	1,946	118,394	-	999	1
Food lockers ³	407	24,558	5,241	1,03	1,537	-	180,444	792
Farm products.....	830	150,777	48,264	92,362	106	123	-	-
Other.....	120	21,400	8,118	2,964	-	27,829	-	-
West.....	1,785	349,673	141,477	55,265	133,751	57,090	101,618	482
Household goods.....	963	183,939	83,403	24,011	67	-	-	8
General.....	219	58,978	26,627	13,477	335	28	-	-
Refrigerated, ex. food lockers.....	187	50,085	17,800	1,543	133,115	-	1,832	34
Food lockers ³	216	13,081	1,693	71	233	-	99,686	440
Farm products.....	128	24,960	7,424	8,711	1	-	-	-
Other.....	72	12,600	4,630	2,613	-	57,062	-	-

¹ Represents zero. ² These data include only those frozen food lockers and the bulk storage freezer space the public warehousing group.
³ Includes only establishments classified as "Food lockers."

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1967*, Vol. IV.

No. 1208. SELECTED SERVICES—RECEIPTS, BY KIND OF BUSINESS: 1963 TO 1971

[In millions of dollars. Based on probability sample designs; for discussion of sampling variability, see source]

KIND OF BUSINESS	1963	1969	1970					1971, first qtr.
			Total	First qtr.	Second qtr.	Third qtr.	Fourth qtr.	
Hotels, motels, tourist courts, etc.....	7,010	6,823	7,194	1,668	1,775	2,096	1,665	1,725
Personal services.....	11,827	11,481	11,586	2,822	2,911	2,791	3,062	2,906
Business services.....	23,367	25,406	27,007	6,468	6,886	6,747	6,916	6,504
Automotive services.....	8,109	8,647	9,531	2,198	2,436	2,451	2,446	2,355
Miscellaneous repair services.....	3,687	3,885	4,067	913	989	1,030	1,135	1,048
Motion pictures, amusements, etc.....	8,680	8,677	9,186	2,093	2,409	2,606	2,078	2,005

Source: Dept. of Commerce, Bureau of the Census; *Monthly Selected Services Receipts*, Series BS.

No. 1209. SELECTED SERVICES, BY KIND OF BUSINESS: 1963 AND 1967

[Money figures in millions of dollars; paid employees in thousands. "N.e.c." means not elsewhere classified]

KIND OF BUSINESS	ESTABLISHMENTS WITH PAYROLL, 1963		1967						
	Re-ceipts	Paid employ-ees ¹	All establishments		Establishments with payroll				Active prop-rietors ³
			Total	Re-ceipts	Total	Re-ceipts	Payroll, entire year	Paid employ-ees ²	
Selected services.....	41,023	3,261.5	1,187,814	60,542	521,410	55,527	17,524	3,841.2	1,081,870
Hotels, motels, tourist courts, camps	4,816	526.1	87,006	7,039	53,650	6,738	1,990	616.8	78,423
Hotels.....	2,976	361.8	23,025	3,823	18,690	3,766	1,272	378.0	19,970
Year-round hotels:									
25 or more guest rooms.....	2,571	333.0	(NA)	(NA)	9,575	3,247	1,181	338.8	(NA)
Less than 25 guest rooms.....	139	17.4	(NA)	(NA)	4,372	144	34	14.4	(NA)
Seasonal hotels.....	265	11.5	(NA)	(NA)	4,743	374	107	24.8	(NA)
Motels, tourist courts.....	1,063	96.4	41,954	2,710	22,697	1,557	346	128.8	38,507
Motor hotels.....	485	53.7			3,516	1,017	277	93.8	
Trailer parks.....	116	6.7	12,437	272	4,065	194	36	8.8	12,162
Sporting, recreational camps.....	177	7.5	8,990	234	4,682	204	60	7.5	7,784
Personal services	47,877	954.2	498,935	11,750	204,634	10,003	3,923	1,029.8	481,129
Laundry, cleaning, other garment services.....	4,009	551.8	111,026	5,432	65,731	5,002	2,013	572.5	99,509
Coin operated laundries, dry cleaning.....	226	21.7	20,551	567	15,981	407	85	32.2	26,462
Other laundry, cleaning, garment services.....	3,783	530.1	82,375	4,875	49,750	4,595	1,927	540.3	73,047
Power laundries, family and commercial.....	1,040	190.5	(NA)	(NA)	6,350	942	489	146.2	(NA)
Industrial laundriers.....	372	33.6	(NA)	(NA)	918	561	210	45.2	(NA)
Linen supply.....	570	56.3	(NA)	(NA)	1,435	734	282	67.5	(NA)
Diaper service.....	55	5.6	(NA)	(NA)	316	64	28	6.0	(NA)
Laundries, except power and coin-operated.....	44	4.9	(NA)	(NA)	1,474	47	15	5.0	(NA)
Dry cleaning plants, except rug cleaning.....	1,411	211.7	(NA)	(NA)	30,625	1,938	806	246.3	(NA)
Rug cleaning, repairing plants.....	69	6.8	(NA)	(NA)	894	66	27	5.3	(NA)
Garment pressing, alteration, and repair.....	223	20.8	(NA)	(NA)	7,738	242	72	18.8	(NA)
Beauty shops.....	1,321	203.7	179,209	2,354	72,794	1,947	943	255.0	176,005
Barber shops.....	655	73.5	112,497	1,020	32,519	603	307	67.2	117,472
Photographic studios.....	415	53.6	26,558	745	8,138	597	187	95.8	24,721
Shoe repair, shoeshine, etc.....	128	12.9	16,270	207	5,316	134	46	11.5	16,133
Funeral service, crematories.....	1,200	58.8	20,191	1,517	14,672	1,395	320	63.1	16,282
Miscellaneous personal services.....	229	20.8	32,284	474	5,464	325	106	24.6	31,007
Misc. business services	14,711	874.9	211,835	22,595	84,988	21,427	6,699	1,212.4	174,181
Advertising.....	6,325	100.3	20,124	8,342	8,185	8,201	984	109.1	15,113
Services to dwellings and other.....	811	152.8	33,822	1,412	14,897	1,290	745	223.2	30,687
.....	76	12.4	(NA)	(NA)	1,491	91	51	13.2	(NA)
.....	235	22.1	(NA)	(NA)	3,731	315	138	25.6	(NA)
.....	500	118.3	(NA)	(NA)	9,675	884	555	184.4	(NA)
B Other misc. business services.....	1,348	91.0	39,114	3,087	14,252	2,852	1,299	163.0	31,630
Credit bureaus, collection agencies.....	6,227	530.8	118,775	9,756	47,664	9,034	3,671	717.1	96,701
Duplicating, mailing, steno. services.....	437	51.4	(NA)	(NA)	5,847	677	291	61.0	(NA)
News syndicates.....	585	56.0	(NA)	(NA)	5,428	772	295	64.4	(NA)
Private employment agencies.....	137	6.1	(NA)	(NA)	319	154	55	5.7	(NA)
Commercial research develop-ment laboratories.....	138	17.9	(NA)	(NA)	4,471	258	125	26.5	(NA)
Commercial testing lab.....	896	56.9	(NA)	(NA)	1,437	1,088	555	57.0	(NA)
Detective agencies and protec-tive services.....	157	14.4	(NA)	(NA)	1,263	209	106	16.0	(NA)
.....	348	75.4	(NA)	(NA)	2,891	522	364	101.8	(NA)
.....	809	32.6	(NA)	(NA)	6,016	1,320	282	41.1	(NA)
.....	395	25.1	(NA)	(NA)	1,715	686	180	31.6	(NA)
.....	718	9.4	(NA)	(NA)	315	763	27	3.0	(NA)
.....	260	60.9	(NA)	(NA)	2,029	663	500	139.8	(NA)
.....	79	6.2	(NA)	(NA)	1,788	83	30	5.7	(NA)
.....	85	15.8	(NA)	(NA)	2,184	122	60	18.9	(NA)
Other business service.....	1,183	102.7	(NA)	(NA)	11,061	1,788	801	143.6	(NA)

NA. Not available. ¹ Workweek ended nearest Nov. 15. ² Week including Mar. 12.³ Unincorporated businesses.⁴ Data corrected only at level significantly affected; hence, detail will not add to total.

No. 1211. MOTION PICTURE THEATERS—SUMMARY, BY STATES: 1967

[Receipts and payroll in thousands of dollars. Employees for week including March 12]

STATE	Estab- lish- ments	Receipts	Pay- roll	Paid em- ployees	STATE	Estab- lish- ments	Receipts	Pay- roll	Paid em- ployees
U.S.....	12, 187	1, 293, 035	281, 126	112, 109	Mo.....	334	30, 133	6, 040	2, 844
Ala.....	181	1, 8, 161	1, 1, 841	1, 913	Mont.....	106	4, 668	1, 776	1, 446
Alaska.....	25	1, 2, 048	1, 381	1, 187	Nebr.....	171	11, 924	2, 571	1, 207
Ariz.....	92	1, 5, 063	1, 1, 327	1, 634	Nev.....	40	3, 665	1, 575	1, 243
Ark.....	149	3, 8, 092	1, 1, 155	1, 709	N.H.....	56	1, 2, 234	1, 686	1, 819
Calif.....	1, 020	162, 904	36, 678	12, 356	N.J.....	278	42, 067	9, 194	3, 111
Colo.....	183	17, 332	3, 452	1, 535	N. Mex.....	112	1, 4, 069	1, 919	1, 546
Conn.....	147	19, 120	4, 116	1, 629	N.Y.....	893	181, 688	44, 090	13, 308
Del.....	31	2, 754	1, 425	1, 187	N.C.....	328	27, 534	5, 381	2, 629
D. C.....	41	9, 617	2, 104	726	N. Dak.....	102	1, 2, 368	1, 580	1, 288
Fla.....	385	47, 036	9, 613	4, 254	Ohio.....	513	53, 590	11, 826	4, 546
Ga.....	295	29, 785	1, 4, 434	1, 2, 084	Okla.....	264	16, 395	3, 214	1, 583
Hawaii.....	59	9, 032	1, 1, 310	1, 554	Oreg.....	170	12, 136	2, 770	1, 211
Idaho.....	93	1, 2, 718	1, 596	1, 424	Pa.....	625	60, 548	12, 779	6, 331
Ill.....	470	69, 176	15, 785	5, 315	R.I.....	43	1, 3, 275	1, 759	1, 308
Ind.....	283	26, 649	5, 792	2, 339	S.C.....	139	11, 194	2, 177	1, 026
Iowa.....	272	17, 697	3, 806	2, 045	S. Dak.....	114	1, 3, 146	1, 688	1, 297
Kans.....	232	12, 831	1, 1, 618	1, 966	Tenn.....	216	19, 457	4, 261	1, 982
Ky.....	221	14, 880	3, 025	1, 393	Tex.....	798	74, 906	15, 687	7, 323
La.....	213	18, 416	3, 471	1, 626	Utah.....	109	9, 442	1, 773	909
Maine.....	84	1, 2, 470	1, 580	1, 322	Vt.....	41	1, 1, 154	1, 320	1, 162
Md.....	173	18, 217	4, 467	1, 761	Va.....	280	21, 734	4, 654	2, 137
Mass.....	279	41, 477	8, 645	3, 287	Wash.....	206	20, 459	4, 514	1, 849
Mich.....	386	46, 093	9, 529	3, 777	W. Va.....	147	1, 3, 025	1, 946	1, 554
Minn.....	301	23, 531	4, 818	2, 114	Wis.....	259	19, 557	4, 413	2, 013
Miss.....	175	1, 7, 080	1, 1, 488	1, 701	Wyo.....	53	1, 1, 846	1, 446	1, 255

¹ Covers only establishments with payroll, excluding drive-in theaters.Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1967*, BC 67-SS4.

No. 1212. HOTELS—SUMMARY: 1954 TO 1967

[Prior to 1963, excludes Alaska and Hawaii. Covers commercial establishments known to the public as hotels and primarily engaged in providing lodging, or lodging and meals, to the general public]

ITEM	ALL HOTELS				YEAR-ROUND HOTELS ¹			
	1954	1958	1963	1967	1954	1958	1963	1967
	Number.....	24, 778	29, 203	22, 692	23, 625	11, 367	11, 140	10, 234	9, 575
Guest rooms.....	(NA)	(NA)	22, 692	(NA)	1, 092	1, 097	957	887
Receipts.....	millions	2, 405	2, 794	3, 006	2, 075	2, 363	2, 520	3, 247
Payroll.....	millions	803	957	1, 035	729	852	909	1, 131
Paid employees ²	1, 000	377	404	362	378	355	328	339
HOTELS WITH PAYROLL								
1958			1963			1967		
Number	Re- ceipts (mil. dol.)	Paid em- ployees (1,000)	Number	Re- ceipts (mil. dol.)	Paid em- ployees (1,000)	Number	Re- ceipts (mil. dol.)	Paid em- ployees (1,000)
Hotels, by size-class:								
Less than 25 rooms.....	5, 600	119	19	5, 138	139	17	4, 372	144
25-49 rooms.....	4, 903	175	29	4, 802	179	25	4, 960	209
50-99 rooms.....	3, 376	293	49	3, 077	297	43	2, 444	350
100-299 rooms.....	2, 308	754	126	2, 048	747	108	1, 724	955
300 rooms or more.....	554	1, 141	167	507	1, 298	155	1, 734	163

NA Not available. ¹ With payrolls and 25 or more guest rooms. ² Includes data for paid executives of corporations but not for proprietors of unincorporated businesses. 1954-1963 represents number of employees for workweek ended nearest Nov. 15; 1967 represents employees for workweek including Mar. 12.Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Business: 1954*, Vol. V; *1958*, Vol. V; *1963*, Vol. VI; and *1967*, BC 67-SS2.

No. 1213. HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1952 TO 1970

[Excludes Alaska and Hawaii. Based on reports from approximately 400 hotels. See *Historical Statistics, Colonial Times to 1957*, series T 361-365, for indexes on a 1929 base]

ITEM	1952	1955	1960	1963	1964	1965	1966	1968	1969	1970
Occupancy ratio.....percent..	76	72	65	60	61	62	62	61	59	55
Sales indexes (1967=100):										
Total sales.....	85	88	94	88	91	94	98	104	109	107
Room sales.....	77	82	90	84	87	91	96	107	113	112
Restaurant sales.....	88	92	97	93	95	97	100	102	104	100
Room rate index (1967=100).....	63	71	86	87	89	91	94	107	117	125

Source: Laventhol Krekstein Horwath & Horwath, New York, N.Y.; annual report, *Lodging Industry*. (Copyright, 1971, by Laventhol Krekstein Horwath & Horwath.)

No. 1214. ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1940 TO 1970

[1957-59=100. Based on the average monthly expenditure for those media which give national coverage]

MEDIUM	1940	1945	1950	1955	1960	1965	1967	1968	1969	1970
General index.....	19	34	55	87	109	136	149	155	165	162
Total magazines.....	24	45	63	89	115	147	157	162	169	162
Weekly.....	23	42	58	88	116	135	144	145	147	136
Women's.....	30	60	80	100	114	167	175	175	191	182
General.....	20	35	52	79	119	168	186	205	223	226
Farm.....	34	58	105	110	90	107	100	100	91	90
Network radio.....	206	359	356	153	78	109	118	130	107	104
Network television.....	-	-	12	76	111	175	206	213	238	249
Newspapers.....	20	26	67	93	104	108	117	124	132	127
Outdoor.....	25	38	73	99	104	92	96	106	105	109
Business papers.....	14	37	45	81	110	121	128	130	136	126

- Represents zero.

Source: Compiled by McCann-Erickson, Inc., for Decker Communications, Inc., New York, N.Y. 1940-1966, in *Printers' Ink* magazine; beginning 1967, in *Marketing/Communications*. (Copyright.)

No. 1215. ADVERTISING—ESTIMATED EXPENDITURES: 1935 TO 1970

[In millions of dollars]

YEAR	Total	National	Local	YEAR	Total	National	Local	YEAR	Total	National	Local
1935.....	1,690	850	831	1949.....	5,202	2,965	2,237	1961.....	11,845	7,253	4,592
1938.....	1,904	1,031	873	1950.....	5,710	3,257	2,453	1962.....	12,381	7,661	4,720
1939.....	1,980	1,086	895	1951.....	6,428	3,701	2,725	1963.....	13,107	8,124	4,983
1940.....	2,088	1,163	925	1952.....	7,156	4,096	3,060	1964.....	14,165	8,713	5,442
1941.....	2,236	1,259	977	1953.....	7,755	4,521	3,235	1965.....	15,255	9,365	5,890
1942.....	2,150	1,212	944	1954.....	8,164	4,812	3,352	1966.....	16,670	10,176	6,494
1943.....	2,496	1,452	1,045	1955.....	9,194	5,407	3,788	1967.....	16,866	10,280	6,616
1944.....	2,724	1,609	1,054	1956.....	9,905	5,926	3,979	1968.....	18,127	10,883	7,244
1945.....	2,875	1,775	1,099	1957.....	10,311	6,253	4,057	1969.....	19,482	11,518	7,964
1946.....	3,364	1,963	1,401	1958.....	10,302	6,331	3,971	1970 (prel.).....	19,715	11,515	8,200
1947.....	4,260	2,487	1,772	1959.....	11,255	6,835	4,420				
1948.....	4,864	2,776	2,088	1960.....	11,932	7,296	4,636				

Source: Compiled by McCann-Erickson, Inc., for Decker Communications, Inc., New York, N.Y. 1935-1966, in *Printers' Ink* magazine; beginning 1967, in *Marketing/Communications*. (Copyright.)

No. 1216. ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1950 TO 1970

[In millions of dollars, except percent. See also *Historical Statistics, Colonial Times to 1957*, series R 99-102, R 110-113, and T 346-351]

MEDIUM	1950		1955		1960		1965		1969		1970 (prel.)	
	Expenditures	Percent of total	Expenditures	Percent of total	Expenditures	Percent of total	Expenditures	Percent of total	Expenditures	Percent of total	Expenditures	Percent of total
Total.....	5,710	100.0	9,194	100.0	11,932	100.0	15,255	100.0	19,482	100.0	19,715	100.0
National.....	3,257	57.0	5,407	58.8	7,206	61.1	9,365	61.4	11,513	59.1	11,515	58.4
Local.....	2,453	43.0	3,788	41.2	4,636	38.9	5,890	38.6	7,969	40.9	8,200	41.6
Newspapers.....	2,076	36.3	3,088	33.6	3,703	31.0	4,457	29.2	5,753	29.5	5,850	29.7
National.....	1,533	9.3	2,743	8.1	3,836	7.0	4,860	5.7	1,059	5.4	1,040	5.3
Local.....	1,543	27.0	2,345	25.5	2,867	24.0	3,587	23.5	4,694	24.1	4,810	24.4
Radio.....	605	10.6	545	5.9	602	5.8	917	6.0	1,204	6.5	1,278	6.5
Network.....	196	3.4	84	0.9	49	0.4	60	0.4	59	0.3	58	0.3
Spot.....	136	2.4	134	1.5	222	1.8	268	1.7	368	1.9	356	1.8
Local.....	273	4.8	326	3.5	428	3.6	589	3.9	837	4.3	805	4.4
Television.....	171	3.0	1,025	11.1	1,590	13.3	2,515	16.5	3,585	18.4	3,660	18.6
Network.....	85	1.5	540	5.9	783	6.6	1,237	8.1	1,078	5.6	1,716	8.7
Spot.....	31	0.5	260	2.8	527	4.4	890	5.7	1,253	6.4	1,255	6.4
Local.....	55	1.0	225	2.4	281	2.3	412	2.7	654	3.4	690	3.5
Magazines.....	515	9.0	729	7.9	941	7.9	1,199	7.9	1,376	7.1	1,321	6.7
Weeklies.....	261	4.6	398	4.3	525	4.4	610	4.0	662	3.4	613	3.1
Women's.....	129	2.3	161	1.8	184	1.5	269	1.8	308	1.6	295	1.5
Monthlies.....	88	1.5	138	1.4	200	1.7	282	1.9	374	1.9	382	1.9
Farm, national.....	37	0.6	39	0.4	32	0.3	37	0.2	32	0.2	31	0.2
Farm papers.....	21	0.4	34	0.4	35	0.3	34	0.2	32	0.2	32	0.2
Direct mail.....	893	14.1	1,299	14.1	1,830	15.3	2,324	15.2	2,670	13.7	2,736	13.9
Business papers.....	251	4.4	446	4.9	609	5.1	671	4.4	762	3.9	714	3.6
Outdoor.....	143	2.5	192	2.1	203	1.7	180	1.2	213	1.1	237	1.2
National.....	96	1.7	130	1.4	137	1.1	120	0.8	138	0.7	156	0.8
Local.....	46	0.8	63	0.7	66	0.6	60	0.4	75	0.4	81	0.4
Miscellaneous.....	1,125	19.7	1,836	20.0	2,328	19.6	2,959	19.4	3,837	19.7	3,887	19.7
National.....	610	10.7	1,040	11.3	1,368	11.5	1,750	11.5	2,165	11.1	2,165	11.0
Local.....	516	9.0	796	8.7	960	8.1	1,209	7.9	1,672	8.6	1,722	8.7

Source: Compiled by McCann-Erickson, Inc., for Decker Communications, Inc., New York, N.Y. 1950-1966, in *Printers' Ink* magazine; beginning 1969, in *Marketing/Communications*. (Copyright.)

No. 1217. NEWSPAPER ADVERTISING—EXPENDITURES FOR NATIONAL ADVERTISING, BY TYPE OF PRODUCT: 1960, 1965, AND 1970

[In thousands of dollars. Data are compiled on basis of actual space measurements of bulk of national advertising carried by weekday and Sunday newspapers. Excludes production costs]

TYPE OF PRODUCT	1960	1965	1970	TYPE OF PRODUCT	1960	1965	1970
Total.....	782,149	813,329	948,404	Tobacco.....	35,031	10,822	10,040
Automotive.....	196,885	239,682	276,774	Cigarettes.....	31,907	8,314	16,504
Passenger cars (new).....	113,963	129,748	125,549	Radio, TV, and phonographs.....	8,620	16,929	18,023
Foods.....	138,090	164,968	111,088	Household supplies.....	19,694	20,098	16,282
Baking products.....	18,603	12,065	9,746	Medical.....	23,653	17,214	16,183
Beverages.....	21,951	17,493	17,010	Industrial.....	16,471	14,649	16,013
Transportation.....	52,547	62,014	61,659	Housing equipment.....	17,166	15,471	14,355
Airways.....	31,608	38,901	59,123	Farm and garden.....	9,450	10,508	13,146
Alcoholic beverages.....	62,276	69,781	65,412	Sporting goods, cameras, and photo supplies.....	7,395	6,232	10,236
Liquors.....	48,014	57,863	65,677	Household furniture and furnishings.....	4,812	6,988	6,668
Publishing and media.....	48,662	59,623	64,901	Educational.....	2,281	2,854	5,825
Books.....	11,444	18,063	20,922	Professional and service.....	1,575	3,034	5,750
Radio and TV stations.....	22,323	29,782	33,674	.....	2,187	2,648	3,778
Hotels and resorts.....	20,903	25,967	33,765	.....	2,187	2,648	3,778
Public utilities.....	23,340	30,877	25,343	.....	1,737	2,638	3,255
Insurance.....	17,008	16,651	22,945	.....	32,313	43,121	65,810
Wearing apparel.....	10,813	14,687	22,161				
Toilet requisites.....	29,465	15,873	19,592				

Source: Compiled by Media Records, Inc., for Bureau of Advertising of the American Newspaper Publishers Association, Inc., New York, N.Y.

No. 1218. NEWSPAPER ADVERTISING—LINAGE FOR 52 CITIES: 1930 TO 1970

[In thousands of lines. Yearly average. Represents linage in all daily and Sunday papers for the same 52 selected cities]

YEAR	Total	Classified	DISPLAY				
			Total	Auto-motive	Financial	General ¹	Retail
1930.....	137,854	24,913	112,941	8,932	4,038	25,254	73,817
1940.....	105,719	21,901	83,818	5,167	1,619	15,719	61,313
1950.....	203,346	42,553	160,793	10,049	2,356	32,464	115,924
1955.....	236,950	58,705	178,245	15,919	3,383	31,350	127,592
1960.....	240,718	61,268	179,450	13,767	4,519	28,808	132,350
1965.....	263,715	72,186	191,579	14,197	5,279	24,044	143,058
1969.....	237,927	84,757	153,170	14,439	6,806	25,007	105,918
1970.....	286,981	76,438	210,543	13,464	6,242	22,930	167,907

¹ Advertising of specific products on general sale, as distinguished from the advertising of retail stores, and auto-motive or financial advertising.

Source: Compiled by Media Records, Inc. Current data in Dept. of Commerce, Office of Business Economics; Survey of Current Business.

No. 1219. MAGAZINE ADVERTISING—REVENUE, BY TYPE OF PRODUCT: 1950 TO 1970

[In millions of dollars. Represents advertising revenue of general magazines and national farm magazines. Space cost based on one-time rate; special rates used where applicable. Year-to-year data not strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1950	1955	1960	1965	1967	1968	1969	1970
Revenue.....	458	657	853	1,083	1,162	1,196	1,243	1,193
Apparel, footwear, and accessories.....	39	51	57	65	61	64	60	51
Automotive, incl. accessories and equipment.....	42	61	94	112	104	113	115	96
Beer, wine, and liquor.....	27	34	51	70	89	96	103	98
Building materials, equipment, and fixtures.....	20	33	36	32	31	32	27	21
Consumer services.....	12	23	40	58	65	68	77	74
Drugs and remedies ¹	13	19	29	41	31	35	36	38
Food and food products.....	54	73	104	113	101	96	90	86
Household equipment and supplies.....	34	39	37	39	32	36	38	34
Household furnishings.....	25	31	30	36	39	40	39	38
Industrial materials.....	24	49	55	47	63	57	60	44
Insurance.....	8	17	26	32	28	26	27	26
Radios, TV sets, phonographs, musical instruments, and accessories.....	9	13	20	32	34	36	35	38
Smoking materials.....	13	17	26	42	40	43	43	65
Toiletries and toilet goods.....	38	41	51	77	118	109	120	119
Travel, hotels, and resorts.....	13	20	29	46	67	54	52	54
All other (incl. retail and direct-mail).....	88	131	168	243	269	291	316	311

¹ Beginning 1967, not comparable with data for earlier years due to changes in classification.

Source: Publishers Information Bureau, Inc., New York, N.Y.; unpublished data.

No. 1220. TELEVISION ADVERTISING—ESTIMATED TIME CHARGES FOR SPOT ADVERTISING: 1969 and 1970

[In millions of dollars. Defined as advertising in table 1221 is (arm) sponsored by a adde announcements activity designated

trally c coverir not strictly comparable due to shifts in designations]

TYPE OF PRODUCT	1969	1970	TYPE OF PRODUCT	1969	1970
Estimated time charges.....	1,115	1,302	Gasoline, lubricants, etc.....	54	58
Apparel, footwear, and accessories.....	17	33	Household equipment and supplies.....	51	74
Automotive.....	50	65	Laundry soaps, cleansers, polishes.....	97	94
Beer and wine.....	56	67	Pet products.....	24	35
Confectionery and soft drinks.....	93	90	Radios, TV sets, and musical instr.....	24	26
Consumer services.....	14	9	Tobacco products and supplies.....	40	51
Entertainment and amusement.....	22	(¹)	Toiletries and toilet goods.....	136	180
Drugs and remedies.....	73	86	Toys and sporting goods.....	35	50
Food and food products.....	246	304	Transportation and travel.....	31	32
			All other.....	55	68

¹ Classified as "Local."

Source: Television Bureau of Advertising, Inc., New York, N.Y., from data compiled by Broadcast Advertisers Reports, Inc., New York, N.Y.

No. 1221. TELEVISION ADVERTISING—NET TIME AND PROGRAM COSTS FOR NETWORK ADVERTISING: 1964 to 1970

[In millions of dollars. Covers national and regional spot advertising (see table 1220). Basically, net time and talent costs incurred by the sale of time plus program production at strictly comparable with earlier years]

TYPE OF PRODUCT	1964	1965	1966	1967	1968	1969	1970
	1,146	1,260	1,411	1,500	1,518	1,697	1,733
Net time and program costs.....							
Apparel, footwear, and accessories.....	13	18	27	25	30	33	34
Automotive.....	97	99	106	116	125	136	130
Beer and wine.....	15	20	20	21	20	20	30
Confectionery and soft drinks.....	20	30	26	28	34	38	49
Consumer services.....	10	13	15	15	21	21	23
Drugs and remedies.....	136	144	168	170	182	216	211
Food and food products.....	189	205	248	278	259	274	282
Gasoline, lubricants, and other fuel.....	26	23	19	21	36	27	35
Household equipment, supplies, and furnishings.....	45	52	58	62	64	78	69
Insurance.....	10	15	20	28	29	28	29
Jewelry, optical goods, and cameras.....	16	20	29	33	35	37	35
Laundry soaps, cleansers, and polishes.....	103	112	132	134	146	154	161
Office equipment, stationery and supplies.....	8	10	12	12	16	16	12
Pet products.....	17	21	21	21	23	25	27
Radios, TV sets, phono, musical instr., and records.....	9	14	22	17	16	20	15
Tobacco products and supplies.....	147	145	162	183	157	174	160
Toiletries and toilet goods.....	225	265	262	259	253	276	304
Toys and sporting goods.....	12	18	23	19	25	29	36
Travel, hotels and resorts.....	2	5	9	14	19	25	20
All other.....	37	31	32	44	59	70	66

Source: Television Bureau of Advertising, Inc., N.Y., N.Y. 1964-1968, from data compiled by Leading National Advertisers, Inc., N.Y., N.Y.; thereafter, from Broadcast Advertisers Reports, Inc., N.Y., N.Y.

No. 1222. ACTIVE CORPORATION EXPENDITURES FOR ADVERTISING, COMPARED WITH RECEIPTS, BY INDUSTRY: 1968

[In millions of dollars, except percent. Compiled from corporation income tax returns, excluding returns of inactive corporations. For total receipts, see table 594. See headnotes and footnotes, table 594]

INDUSTRY	RECEIPTS ¹		ADVERTISING EXPENDITURES		INDUSTRY	RECEIPTS ¹		ADVERTISING EXPENDITURES	
	Amount	Percent of receipts	Amount	Percent of receipts		Amount	Percent of receipts		
Total	1,473,769	16,235	1.1						
Agric., for, and fisheries.....	9,017	34	0.4	Transportation, comm. ⁴	109,132	625	0.0		
Mining.....	13,795	20	0.1	Transportation.....	49,400	337	0.7		
Construction.....	70,831	148	0.2	Other.....	59,732	289	0.5		
Manufacturing.....	632,925	8,713	1.4	Wholesale and retail trade.....	442,510	4,665	1.1		
Food and kindred prod., incl. beverages.....	86,342	2,107	2.4	Wholesale trade.....	204,042	1,028	0.5		
Tobacco manufactures.....	6,082	357	5.9	Retail trade.....	236,504	3,619	1.5		
Textile mill products.....	20,822	124	0.6	Food stores.....	83,045	646	1.2		
Apparel, textile prod. Lumber and wood prod., exc. furniture.....	22,661	210	0.9	General merchandise stores.....	48,194	1,286	2.7		
Furniture and fixtures.....	11,698	44	0.4	Apparel and accessory stores.....	13,447	260	1.9		
Paper and allied prod. Printing, publishing, and allied industries.....	7,096	71	1.0	Auto. dealers ⁵	57,713	511	0.9		
Chem. and allied prod. Petroleum refining and related industries.....	18,649	160	0.9	Other.....	63,106	916	1.5		
Rubber plastics prod. Leather, leather prod. Stone, clay, and glass products.....	22,401	216	1.0	Wholesale and retail trade not allocable.....	2,964	20	0.7		
Fabricated metal prod. ² Machinery, exc. elect. Electrical mch., equip., and supplies.....	51,081	2,033	4.0	Fin., ins., and real estate.....	146,905	1,096	0.7		
Transportation equip., exc. motor vehicles.....	63,436	347	0.5	Banks and trust co.....	30,232	379	1.3		
Motor veh. and equip. Scientific instr., photo. equipment ³	12,435	277	2.2	Insurance carriers.....	69,006	175	0.3		
Other (incl. ordnance).....	10,299	214	2.1	Real estate.....	16,476	223	1.4		
				Other.....	31,191	319	1.0		
				Services.....	48,543	932	1.9		
				Hotels, rooming houses, etc.....	4,872	120	2.5		
				Personal services.....	5,984	91	1.5		
				Business services.....	17,673	330	1.9		
				Auto., other rep. serv. Motion pictures.....	5,347	51	1.0		
				Amusement and rec. services ⁶	3,532	142	4.0		
				Other services.....	3,604	109	3.0		
				Nature of business not allocable.....	7,531	90	1.2		
					111	2	1.8		

¹ Comprises total receipts (including investment income) for finance, insurance, and real estate industries, and business receipts for all other industries. ² Excludes machinery and transportation equipment.

³ Includes watches and clocks. ⁴ Includes electric, gas, and sanitary services.

⁵ Includes gasoline service stations. ⁶ Excludes motion pictures.

Source: Dept. of the Treasury Internal Revenue Service; *Statistics of Income, 1968, Corporation Income Tax Returns.*